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The Architects' JOURNAL for September 3, 1959

THE ARCHITECTS' JOURNAL



standard contents

every issue does not necessarily contain all these contents, but they are the regular features which continually recur

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Details of Planning, Construction, Finishes and Costs
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Building Costs Analysed

Architectural Appointments
Wanted and Vacant

No. 3359] [Vol. 130

THE ARCHITECTURAL PRESS

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★A glossary of abbreviations of Government Departments and Societies and Committees of all kinds, together with their full address and telephone numbers. The glossary is published in two parts—A to Ii one week, Il to Z the next. In all cases where the town is not mentioned the word LONDON is implicit in the address.

ILA	Institute of Landscape Architects. 1, Park Crescent, Portland Place, W.1.	Museum 3473
I of Arb	Institute of Arbitrators. Hastings House, 10, Norfolk Street, Strand, W.C.2.	Temple Bar 4071
IOB	Institute of Builders. 48, Bedford Square, W.C.1.	Museum 7197
IQS	Institute of Quantity Surveyors. 98, Gloucester Place, W.1.	Welbeck 1859
IR	Institute of Refrigeration. Dalmeny House, Monument Street, E.C.3.	Avenue 6851
IRA	Institute of Registered Architects. 68, Gloucester Place, W.1.	Welbeck 9966
ISE	Institution of Structural Engineers. 11, Upper Belgrave Street, S.W.1.	Sloane 7128
JFRO	Joint Fire Research Organisation (DSIR & Fire Offices' Committee). Fire Research Station, Boreham Wood, Herts.	Elstree 1341/1797
LDA	Lead Development Association. 18, Adam Street, W.C.2.	Whitehall 4175
LMBA	London Master Builders' Association. 47, Bedford Square, W.C.1.	Museum 3891
MAFF	Ministry of Agriculture, Fisheries and Food. Whitehall Place, S.W.1.	Trafalgar 7711
MOE	Ministry of Education. Curzon Street House, Curzon Street, W.1.	Hyde Park 7070
MOH	Ministry of Health. 23, Savile Row, W.1.	Regent 8411
MOHLG	Ministry of Housing and Local Government. Whitehall, S.W.1.	Whitehall 4300
MOLNS	Ministry of Labour and National Service, 8, St. James's Square, S.W.1.	Whitehall 6200
MOS	Ministry of Supply. Shell Mex House, W.C.2.	Gerrard 6933
MOT	Ministry of Transport, Berkeley Square House, Berkeley Square, W.1.	Mayfair 9494
MOW	Ministry of Works. Lambeth Bridge House, S.E.1.	Reliance 7611
NAMMC	Natural Asphalte Mine Owners and Manufacturers Council. 94/98, Petty France, S.W.1.	Abbey 1010
NAS	National Association of Shopfitters. 2 Caxton Street, S.W.1.	Abbey 4813
NBR	National Buildings Record, 31, Chester Terrace, Regent's Park, N.W.1.	Welbeck 0619
NCBMP	National Council of Building Material Producers, 10, Storey's Gate, S.W.1.	Abbey 5111
NEFMAI	National Employers Federation of the Mastic Asphalte Industry. 21, John Adam Street, Adelphi, W.C.2.	Trafalgar 3927
NFBTE	National Federation of Building Trades Employers. 82, New Cavendish Street, W.1.	Langham 4041/4054
NFBTO	National Federation of Building Trades Operatives. Federal house, Cedars Road, Clapham, S.W.4.	Macaulay 4451
NFHS	National Federation of Housing Societies. 12, Suffolk St., S.W.1.	Whitehall 1693
NHBRC	National House Builders Registration Council. 58, Portland Place, W.1.	Langham 0064/5
NPL	National Physical Laboratory. Head Office, Teddington.	Molesey 1380
NRDB	Natural Rubber Development Board. Market Buildings, Mark Lane, E.C.3.	Mansion House 9383
NSAS	National Smoke Abatement Society. Palace Chambers, Bridge Street, S.W.1.	Trafalgar 6838
NT	National Trust for Places of Historic Interest or Natural Beauty. 42, Queen Anne's Gate, S.W.1.	Whitehall 0211
PEP	Political and Economic Planning. 16, Queen Anne's Gate, S.W.1.	Whitehall 7245
RCA	Reinforced Concrete Association. 94, Petty France, S.W.1.	Abbey 4504
RIAS	Royal Incorporation of Architects in Scotland. 15, Rutland Square, Edinburgh.	Fountainbridge 7631
RIBA	Royal Institute of British Architects. 66, Portland Place, W.1.	Langham 5533
RICS	Royal Institution of Chartered Surveyors. 12, Great George Street, S.W.1	Whitehall 5322/9245
RFAC	Royal Fine Art Commission. 5, Old Palace Yard, S.W.1.	Whitehall 3935
RS	Royal Society. Burlington House, Piccadilly, W.1.	Regent 3335
RSA	Royal Society of Arts. 6, John Adam Street, W.C.2.	Trafalgar 2366
RSH	Royal Society of Health. 90, Buckingham Palace Road, S.W.1.	Sloane 5134
RIB	Rural Industries Bureau. 35, Camp Road, Wimbledon, S.W.19.	Wimbledon 5101
SBPM	Society of British Paint Manufacturers. Grosvenor Gardens House, Grosvenor Gardens, S.W.1.	Victoria 2186
SE	Society of Engineers. 17, Victoria Street, Westminster, S.W.1.	Abbey 7244
SFMA	School Furniture Manufacturers' Association. 30, Cornhill, E.C.3.	Mansion House 3921
SIA	Society of Industrial Artists. 7, Woburn Square, W.C.1.	Langham 1984/5
SIA	Structural Insulation Association. 32, Queen Anne Street, W.1.	Langham 7616
SNHTPC	Scottish National Housing. Town Planning Council. Hon. Sec., Robert Pollock, Town Clerk, Rutherglen	
SPAB	Society for the Protection of Ancient Buildings. 55, Great Ormond Street, W.C.1.	Holborn 2646
TCPA	Town and Country Planning Association. 28, King Street, Covent Garden, W.C.2.	Temple Bar 5006
TDA	Timber Development Association. 21, College Hill, E.C.4.	City 4771
TPI	Town Planning Institute. 18, Ashley Place, S.W.1.	Victoria 8815
TTF	Timber Trades Federation. 75, Cannon Street, E.C.4.	City 5040
WDC	War Damage Commission. 6, Carlton House Terrace, S.W.1.	Whitehall 4341
ZDA	Zinc Development Association. 34, Berkeley Square, W.1.	Grosvenor 6636

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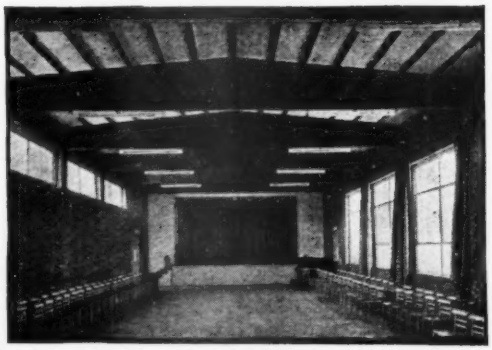
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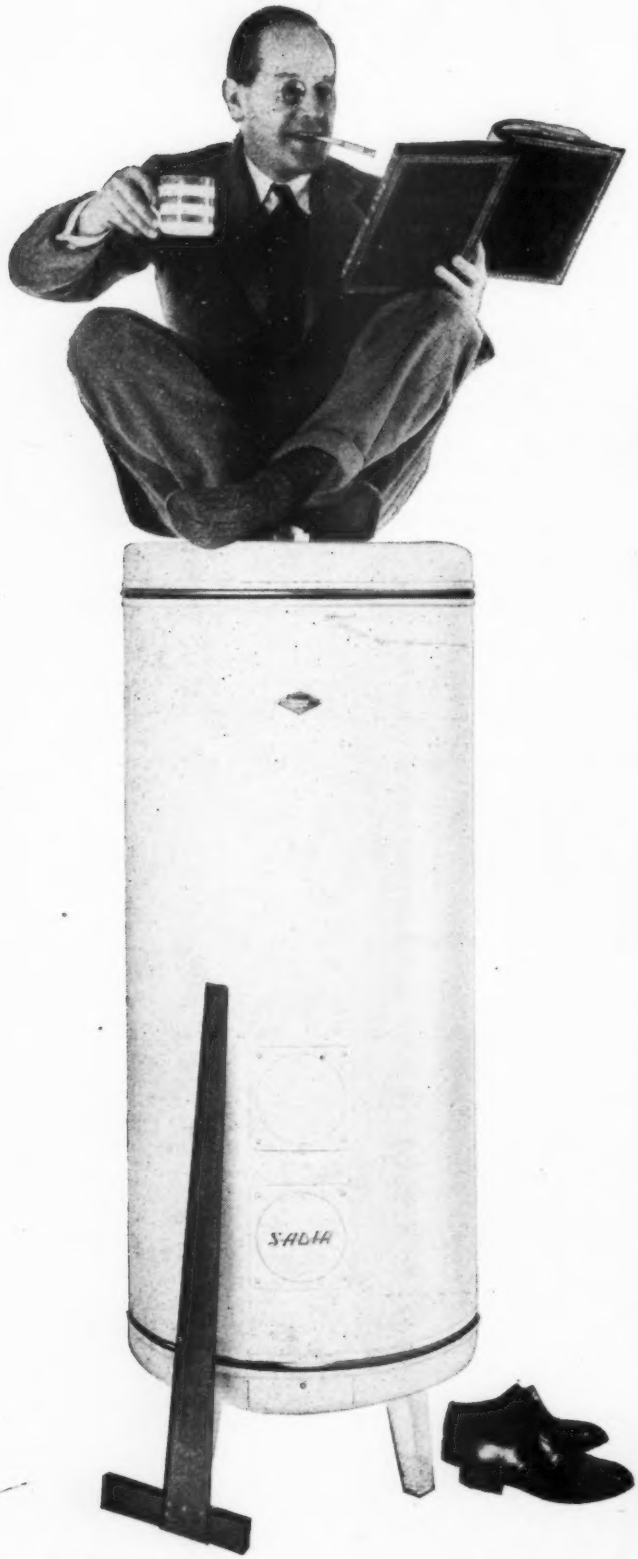


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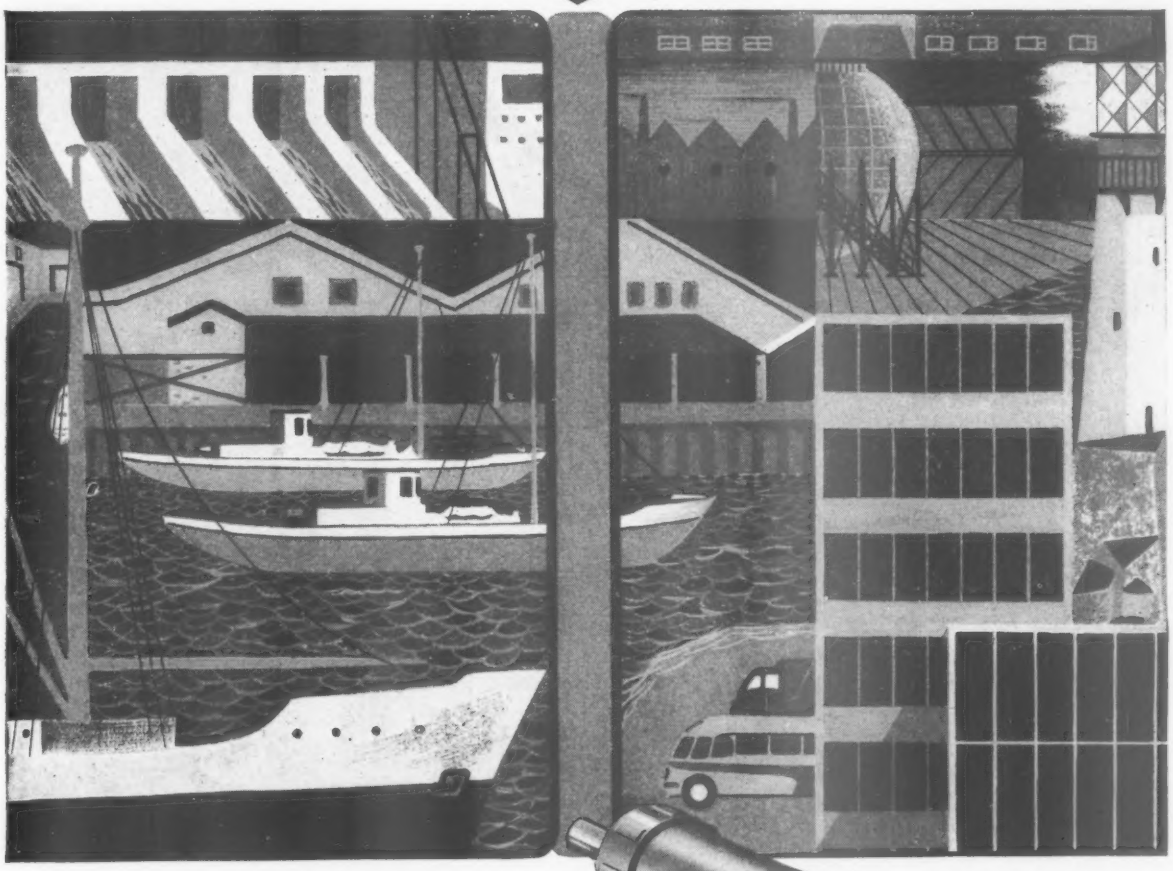
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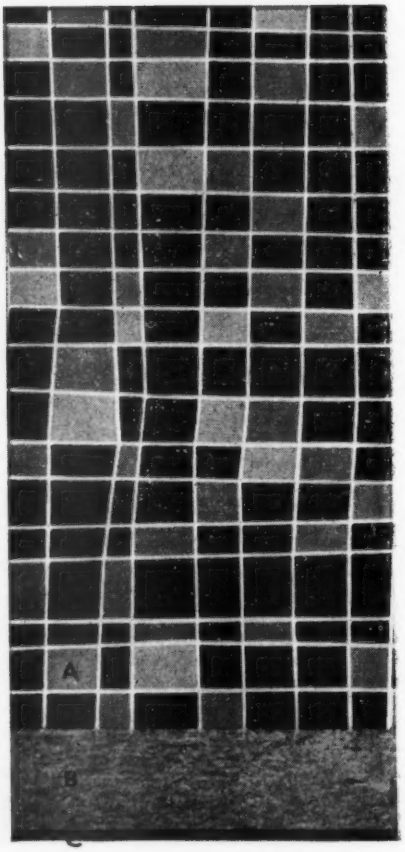
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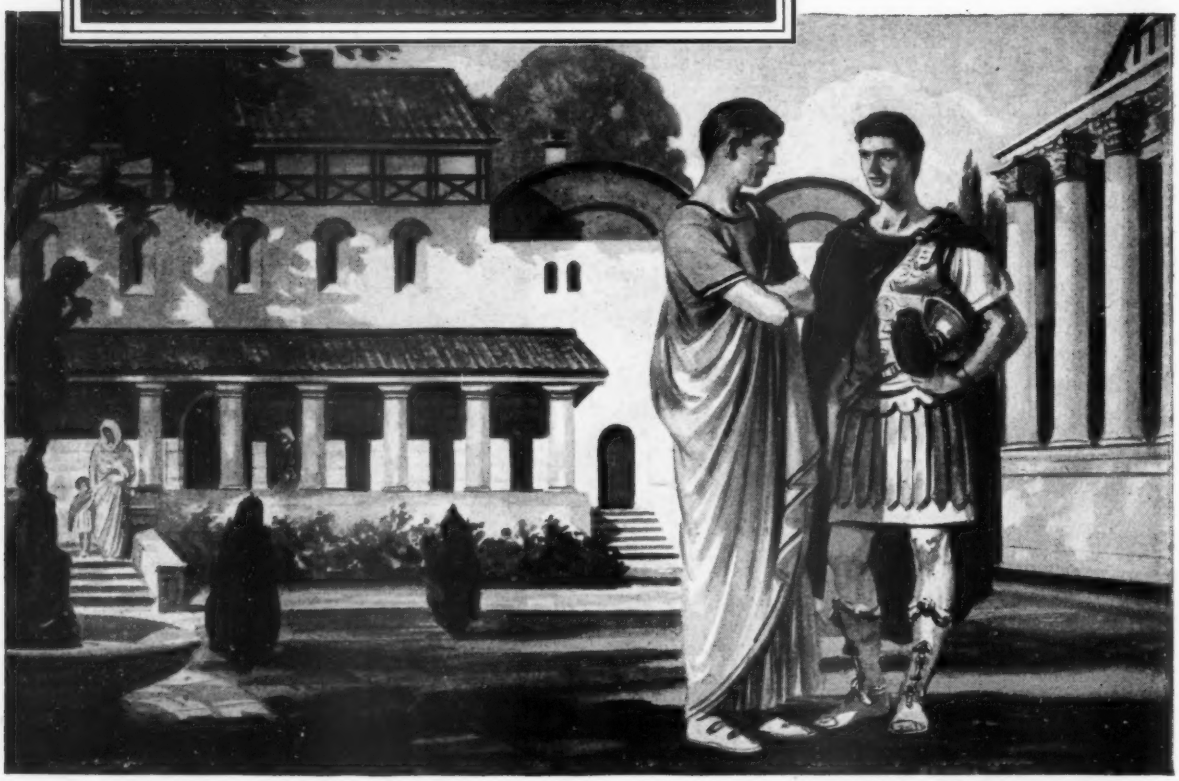
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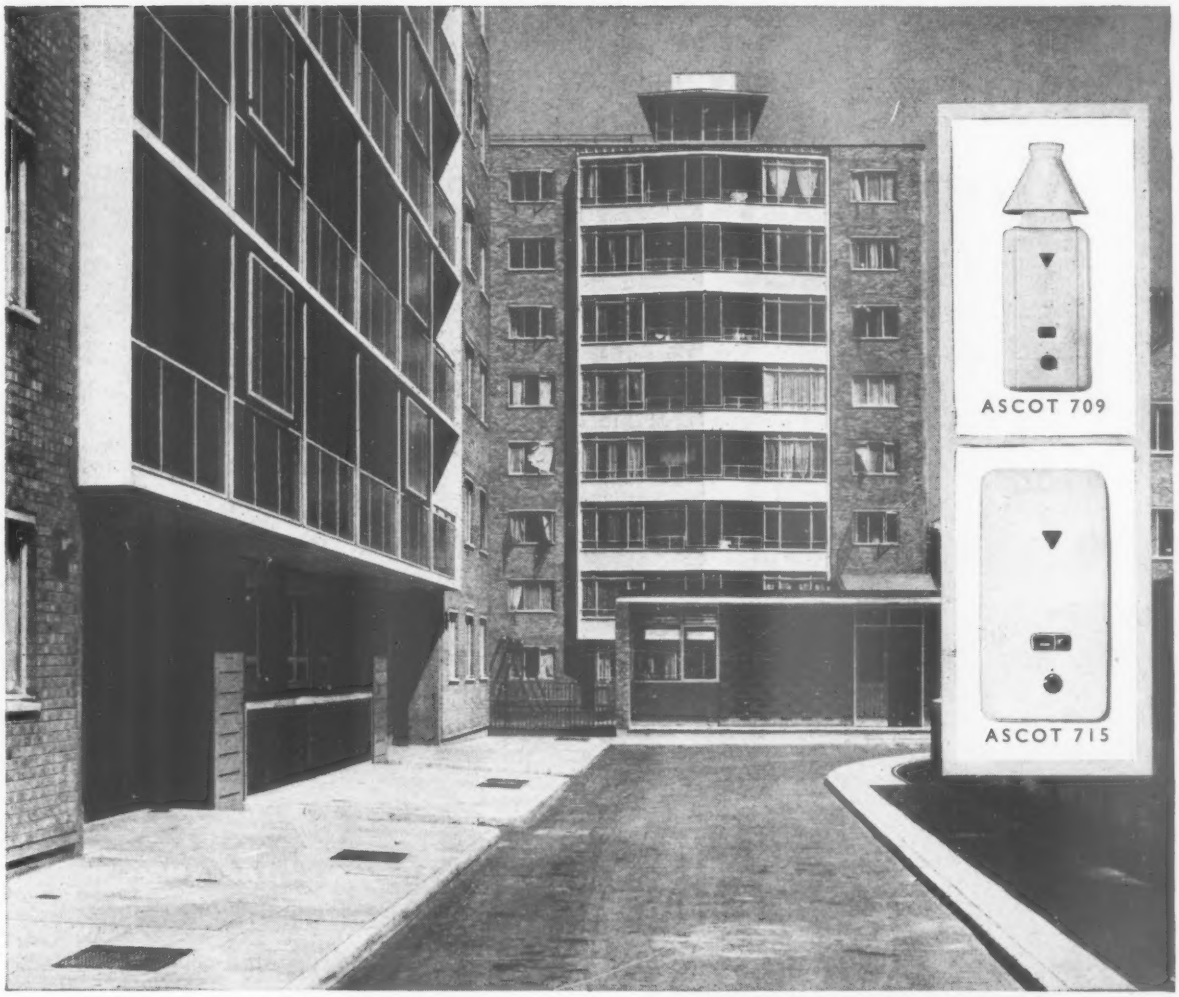


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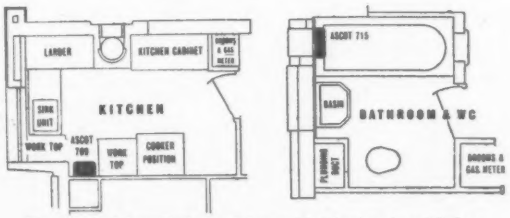


Caroline Estate extension, Hammersmith

ASCOT IN NEW HOUSING (9)

Ascot instantaneous Gas Water heaters have been extensively used for providing hot water in dwellings comprising the London County Council's new Caroline Estate extension at Hammersmith, photographed above. In the eight-storey block, Joanna House, Ascot multipoints have been installed in the 30 three-room and two two-room flats. In the ten-storey block, Henrietta House, Ascot 715 'balanced flue' multipoints are provided in 20 three-room and 18 two-room flats. For technical reasons, an alternative water heating system was necessary in two two-room flats on the ground floor of this block.

In all other maisonettes and flats on the Estate, back boilers have been provided for hot water, except in six maisonettes. Here, Ascot 715 multipoints are installed to obviate difficulties which would have otherwise resulted from having flues for solid fuel fires situated near the ten-storey block.



Two typical installations of Ascot Multipoints in a kitchen and a bathroom in flats on the Estate.

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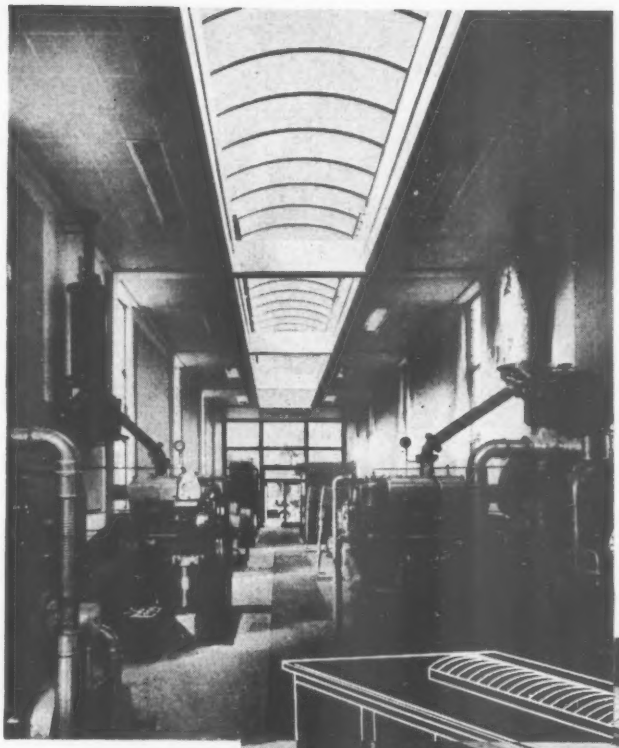
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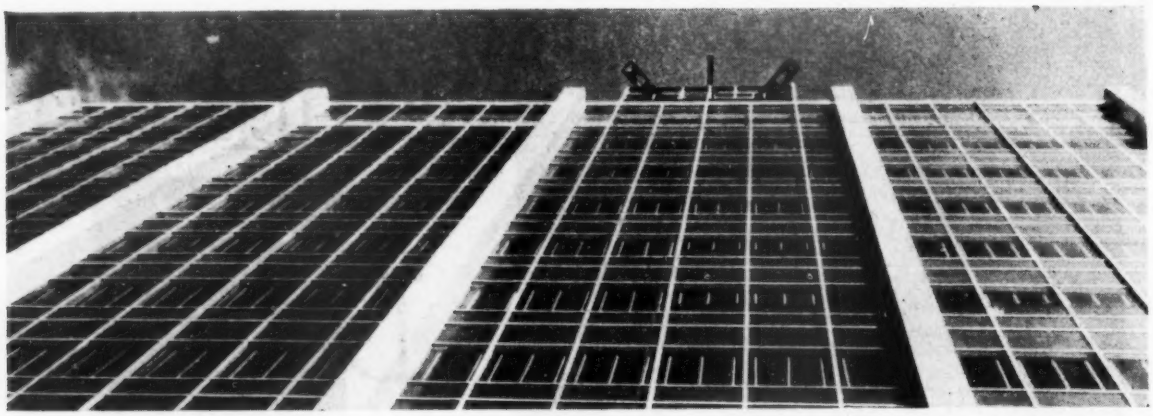
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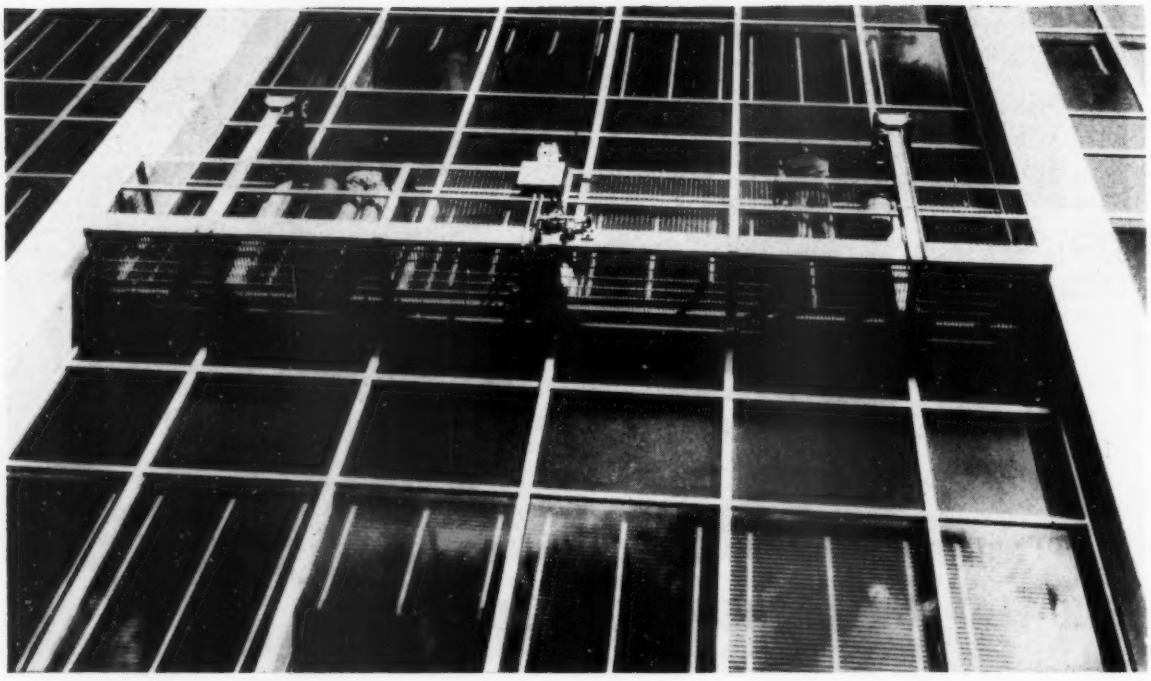
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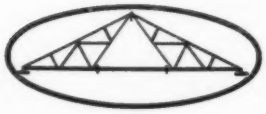
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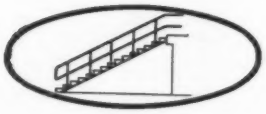
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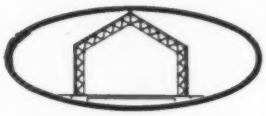
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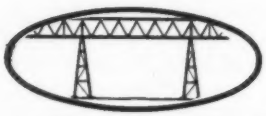
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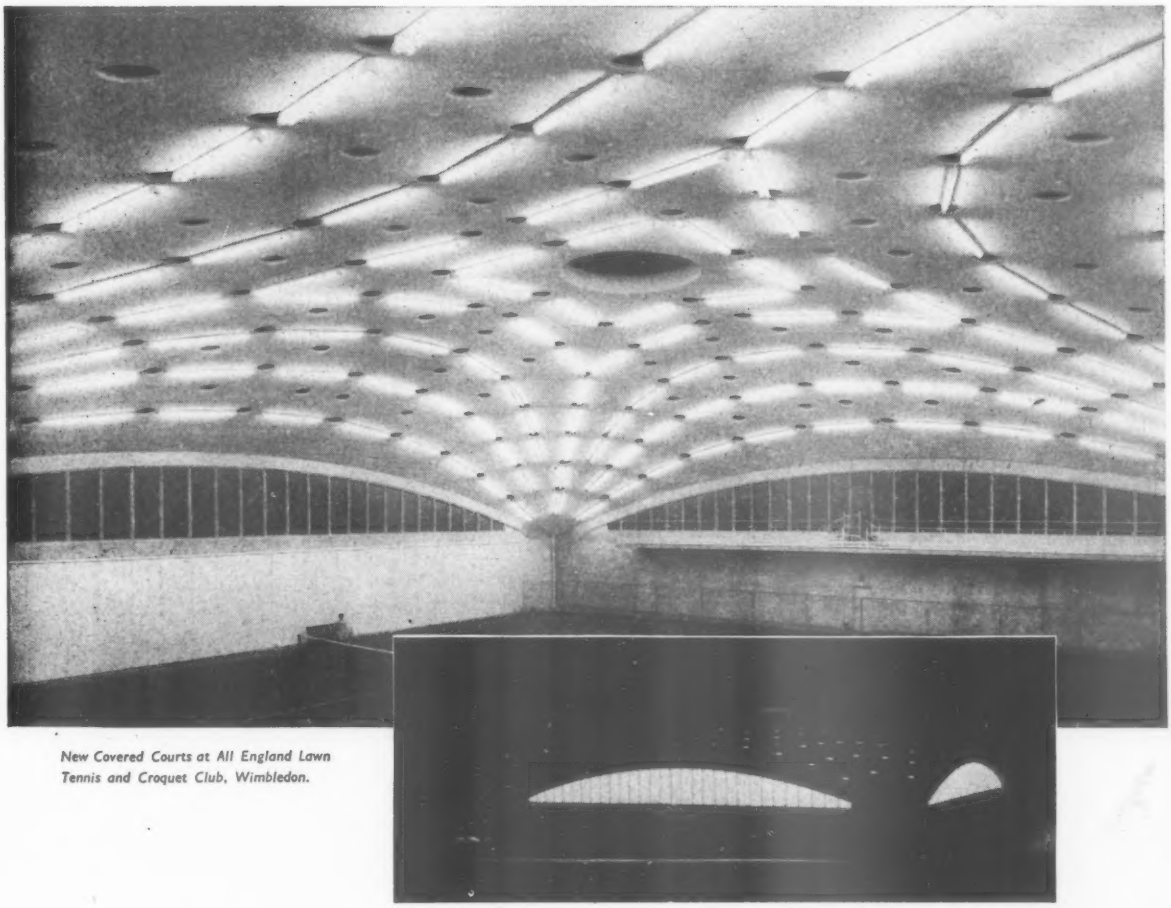
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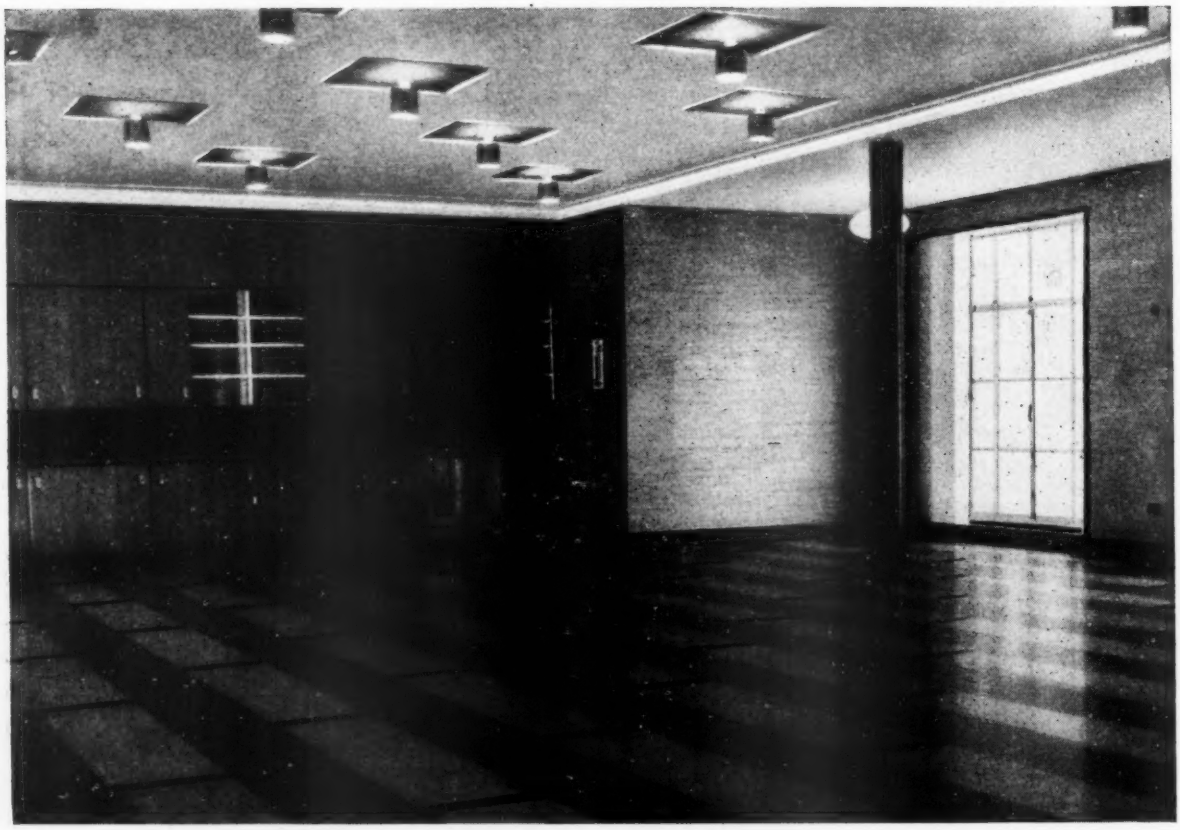
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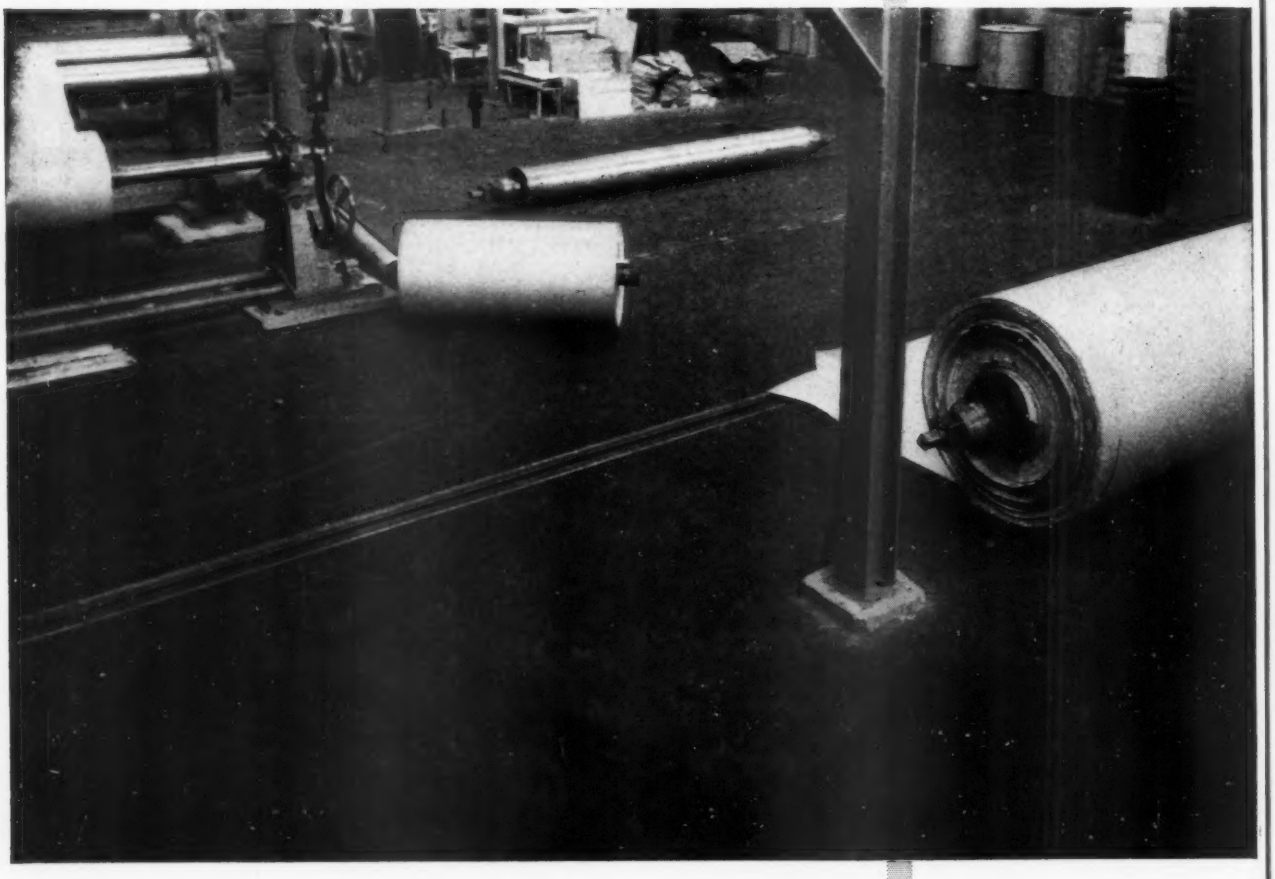
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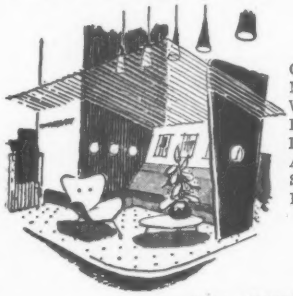
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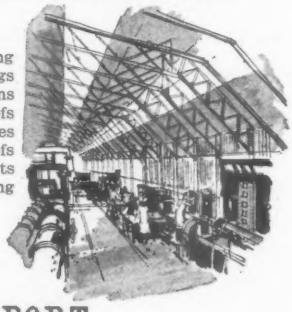


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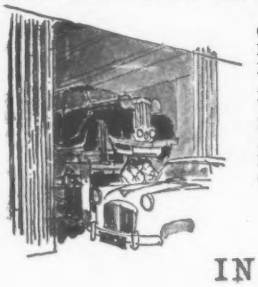
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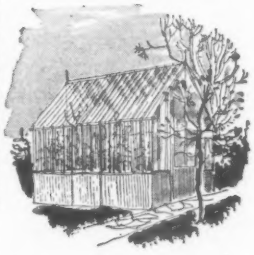
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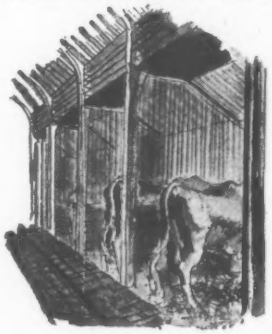
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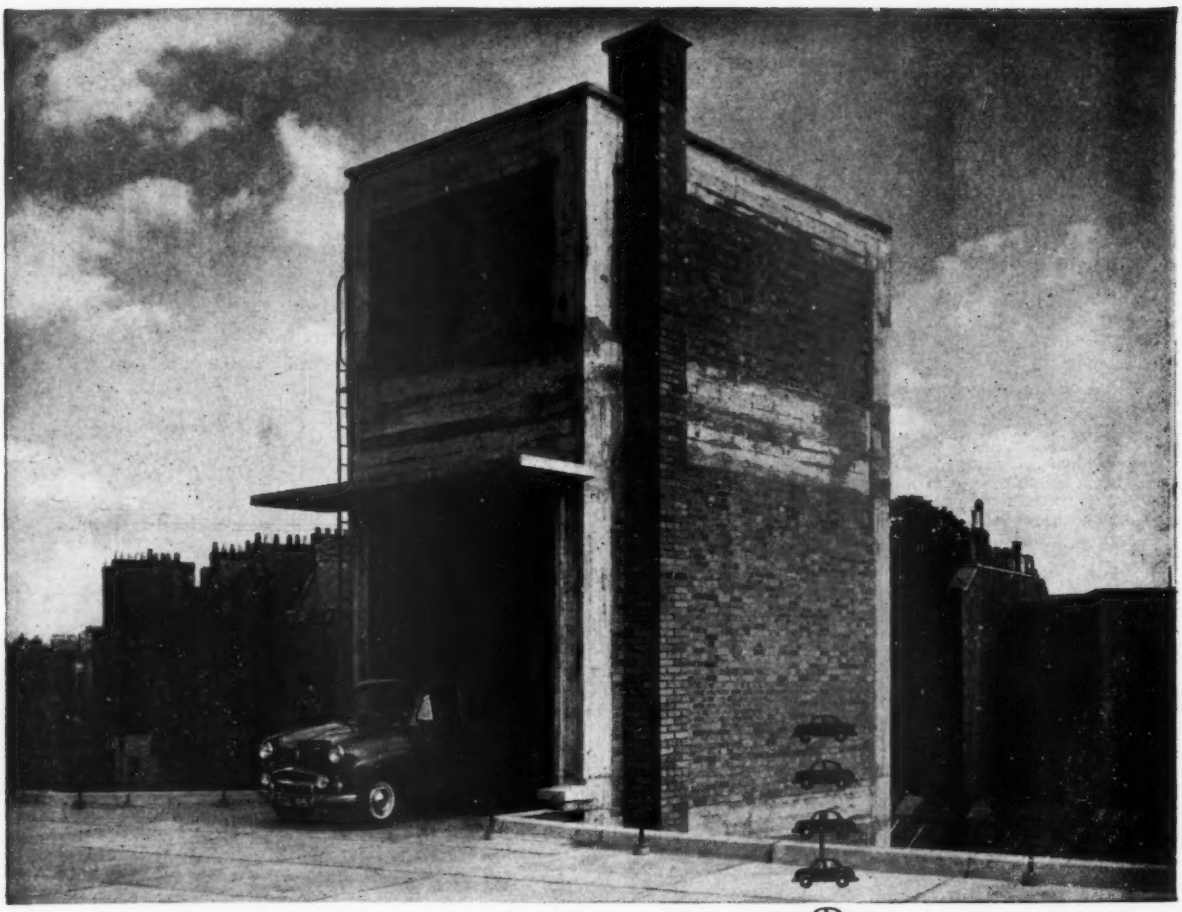
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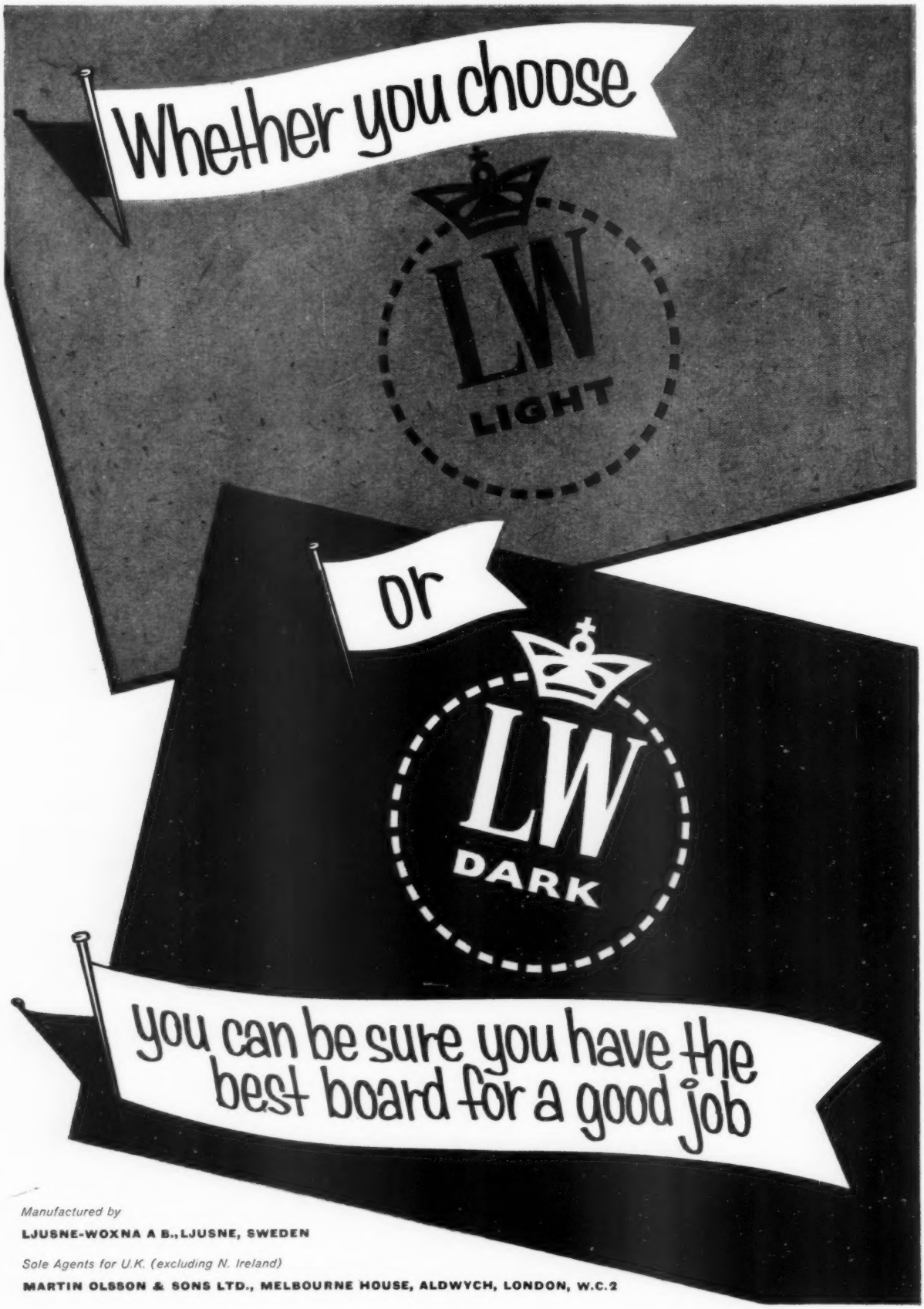
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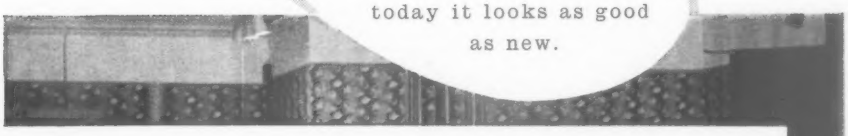
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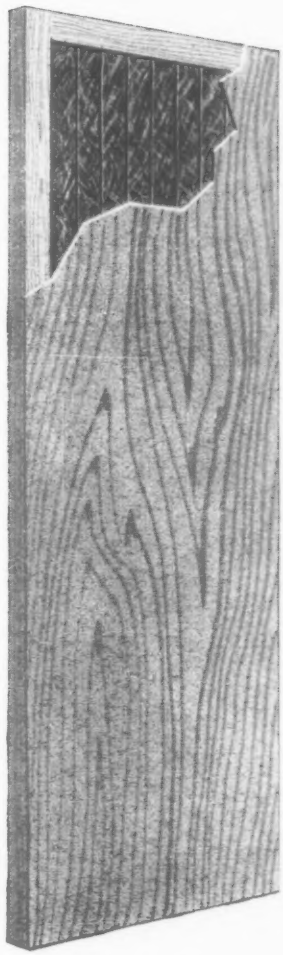
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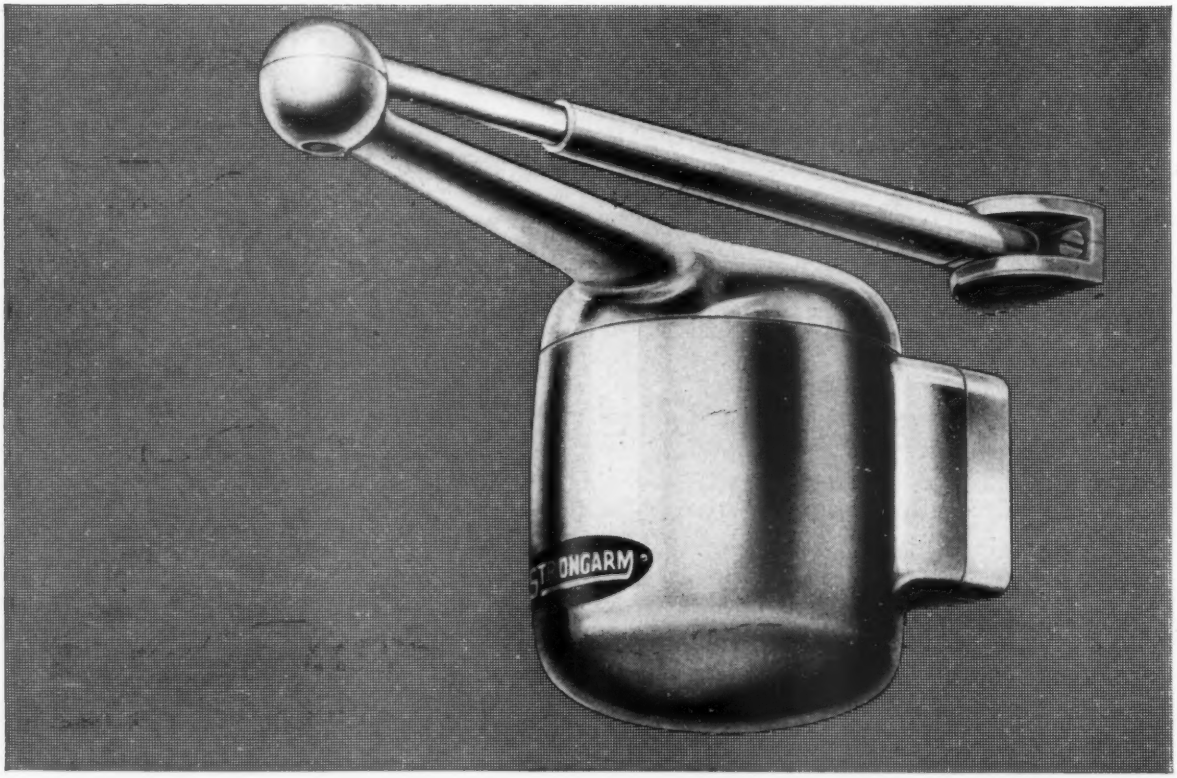
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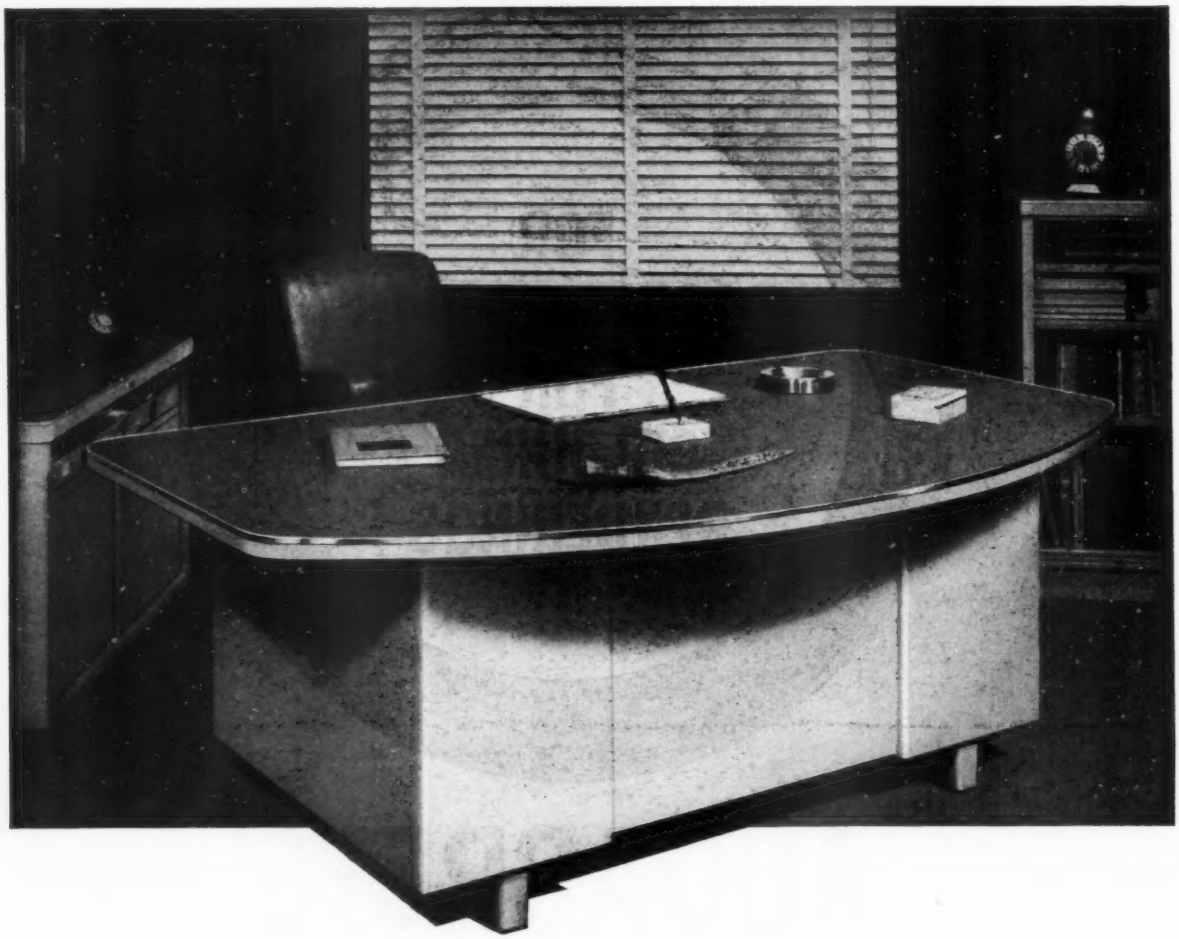
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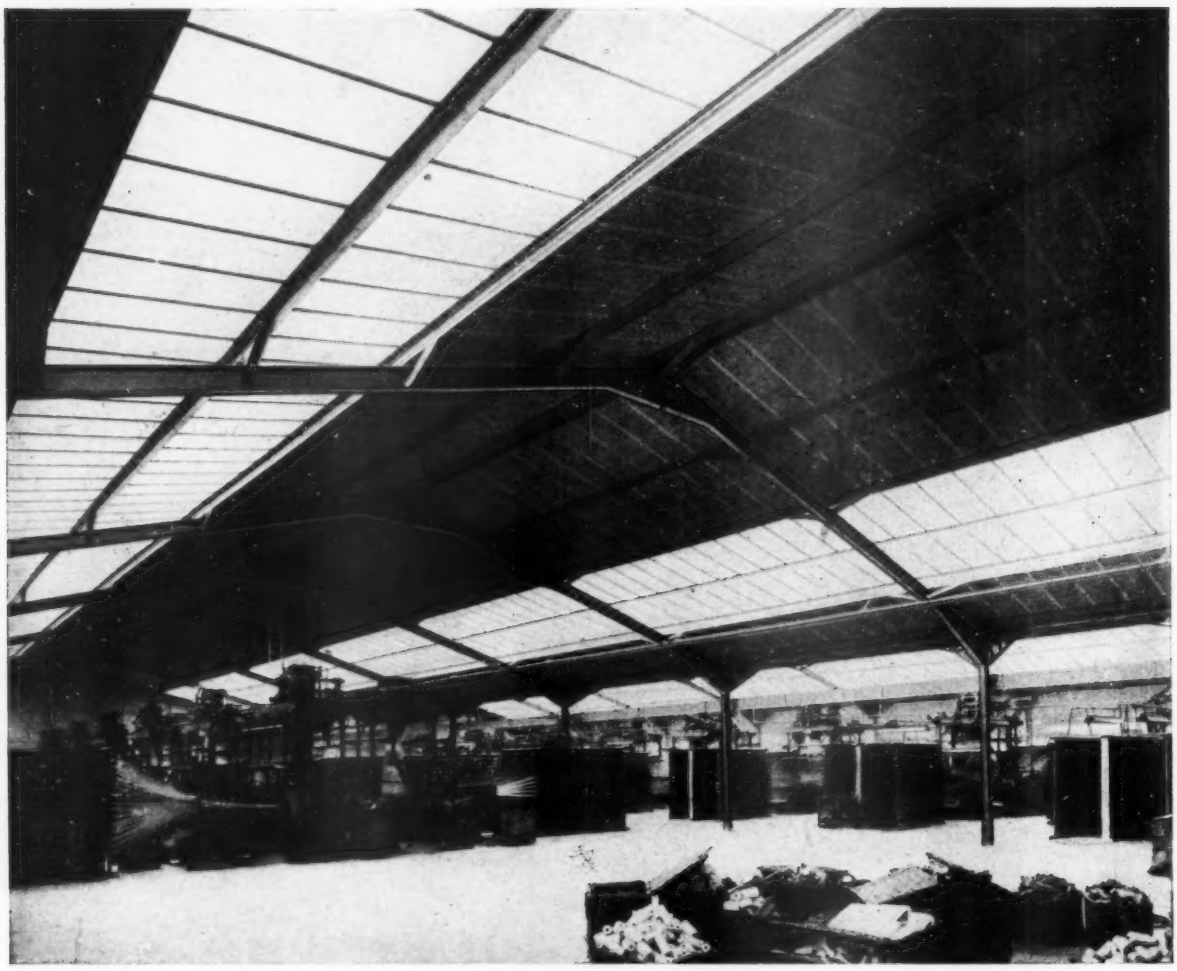
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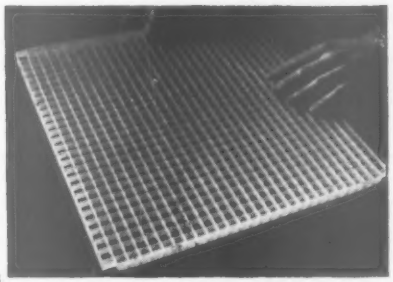
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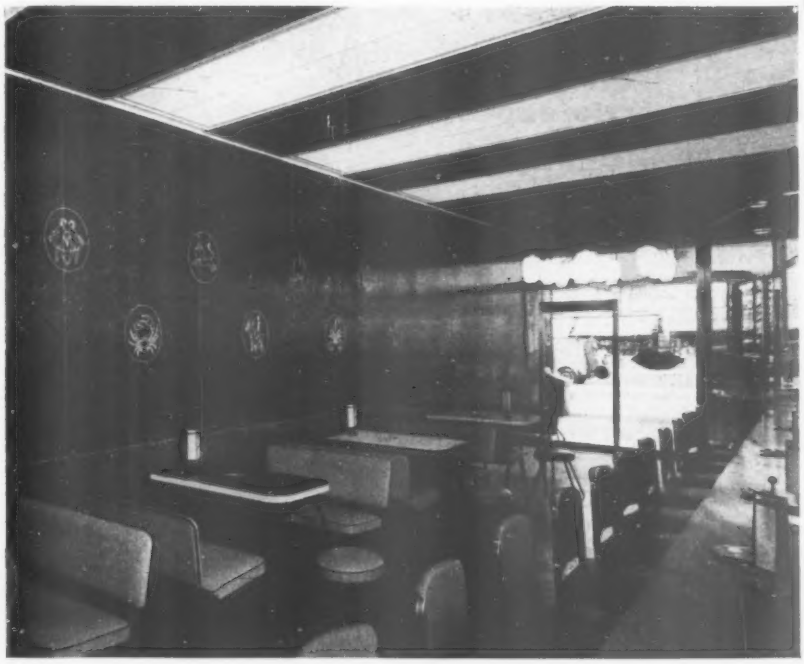
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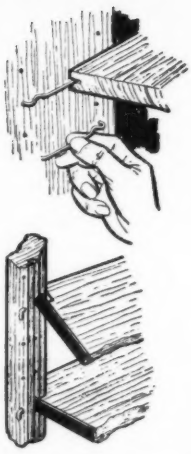
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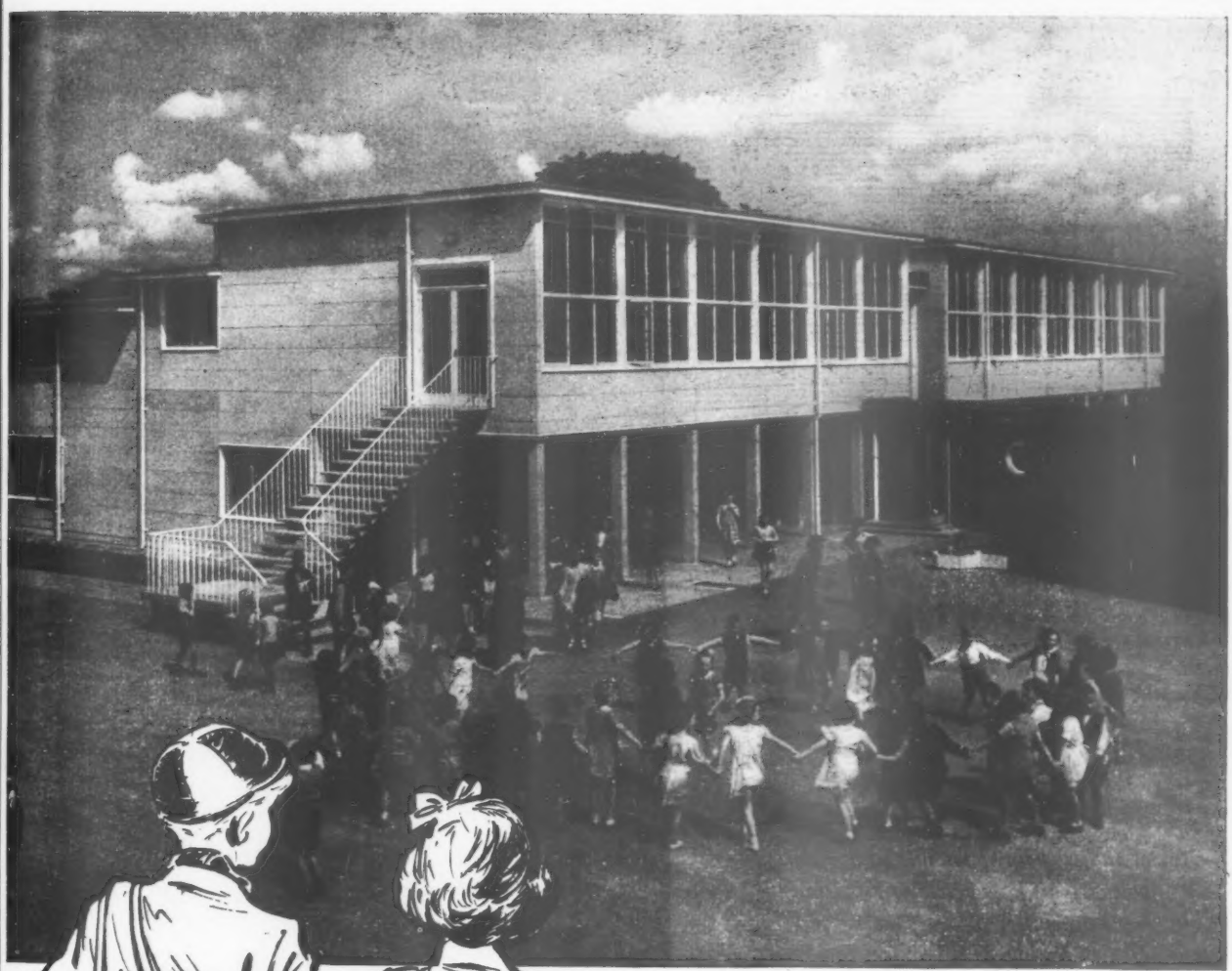
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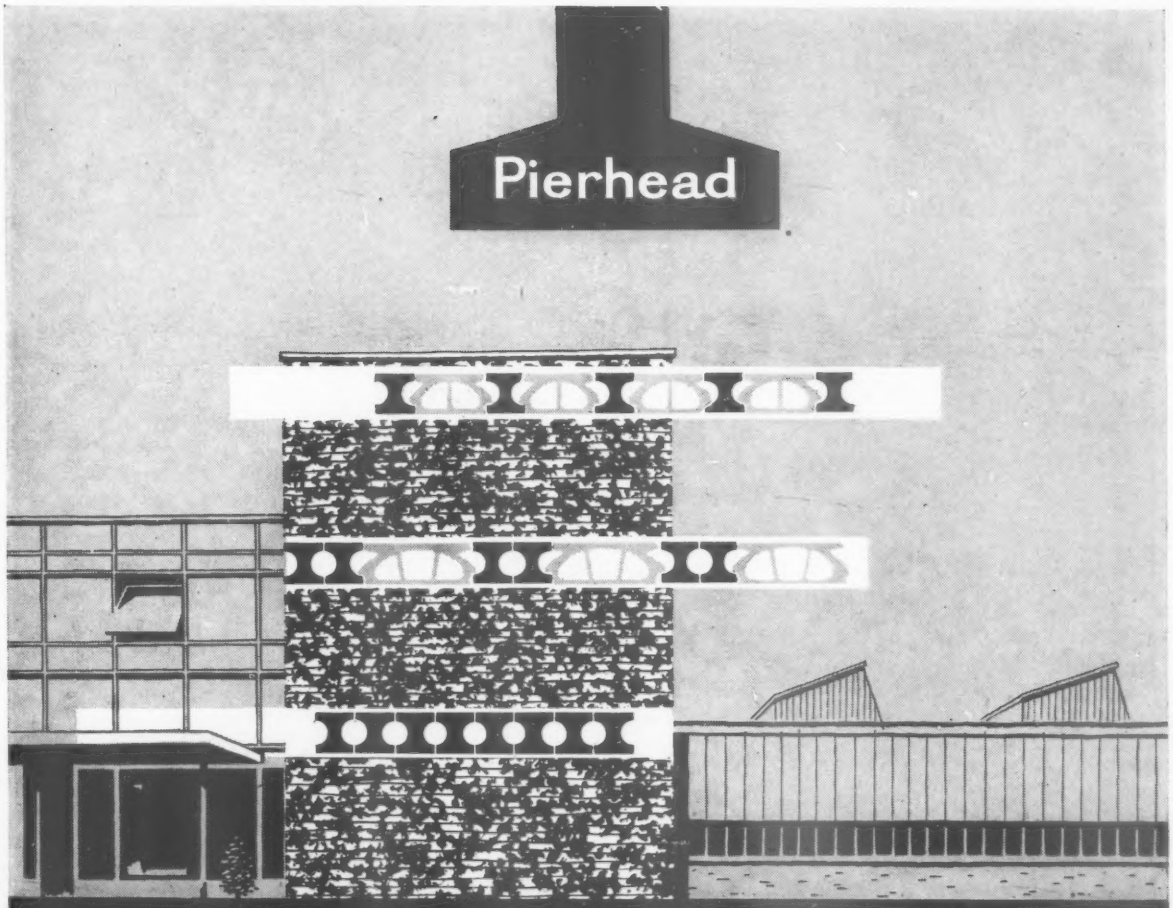
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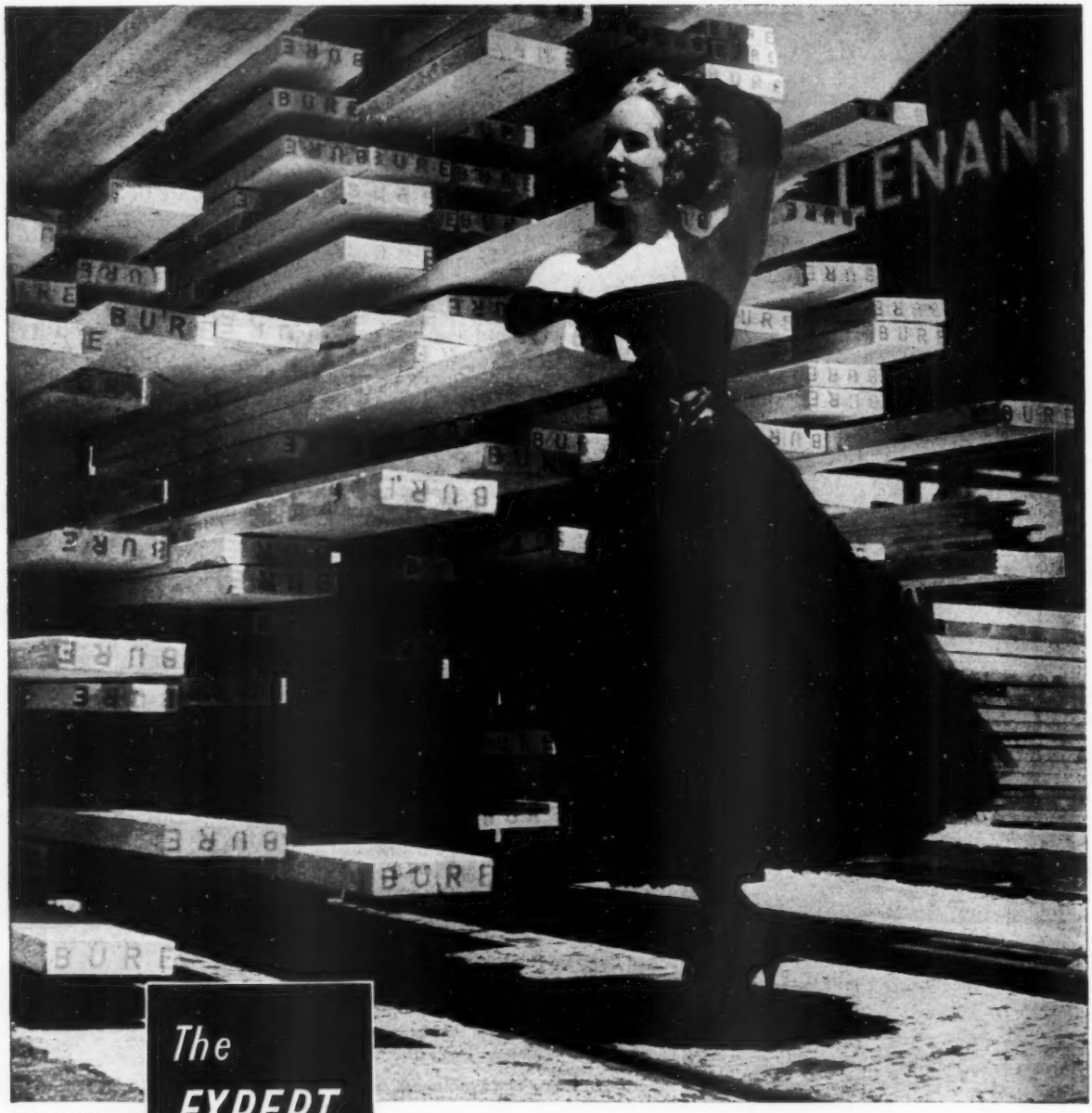
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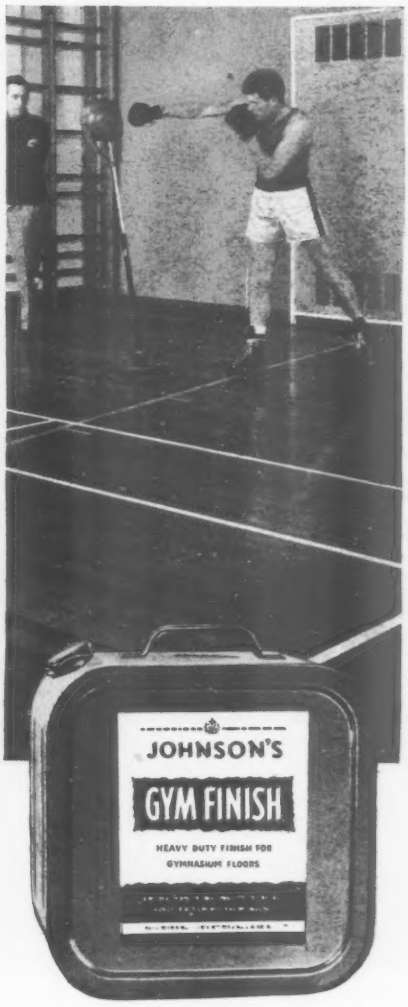
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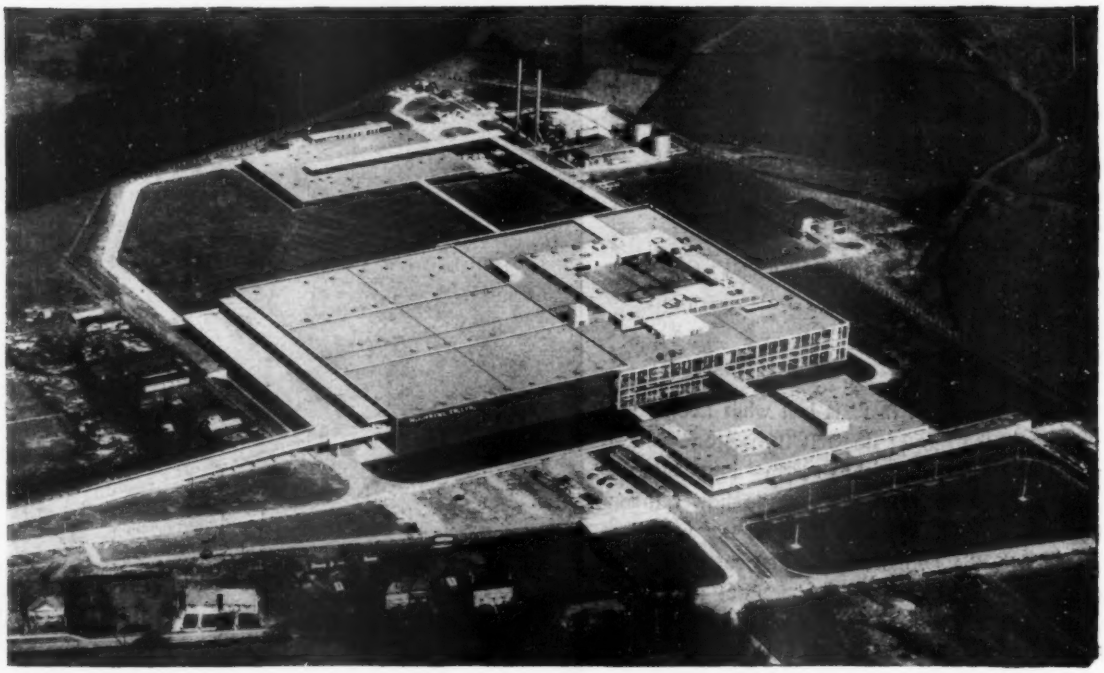
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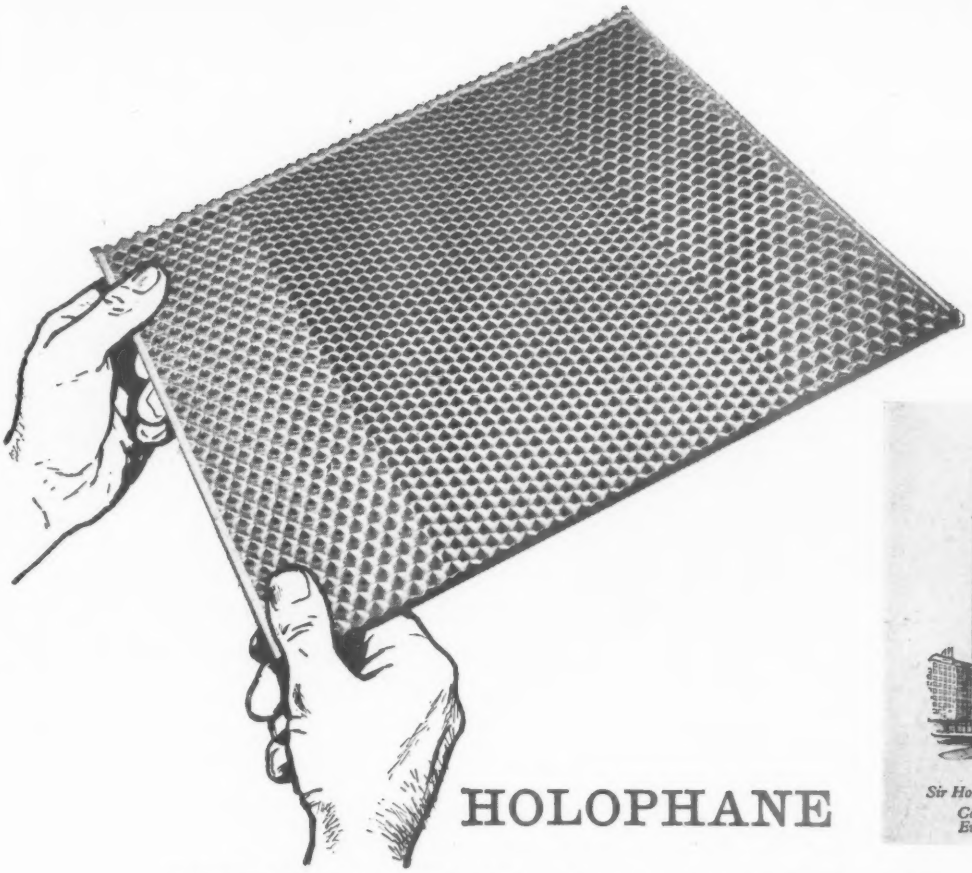
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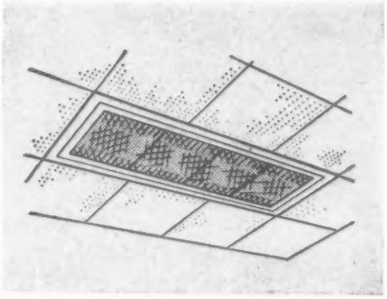
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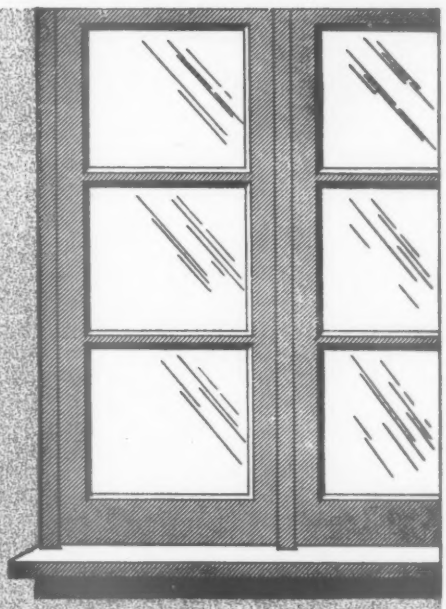
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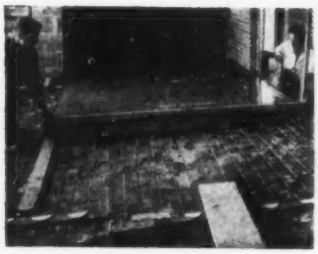
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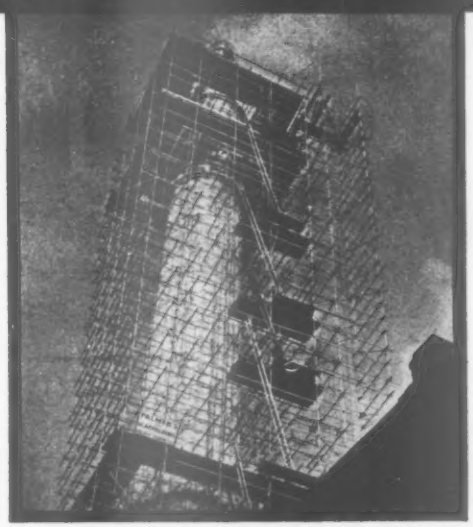
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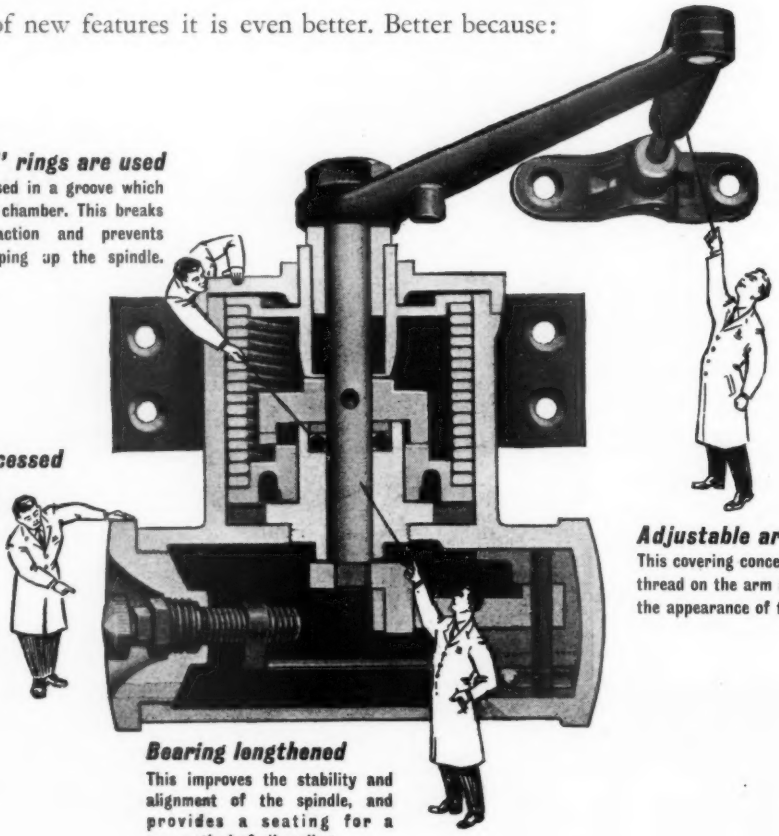
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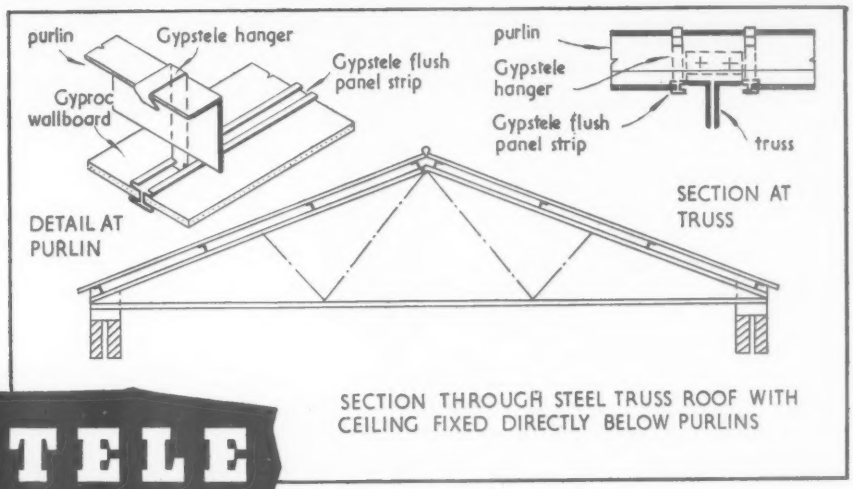
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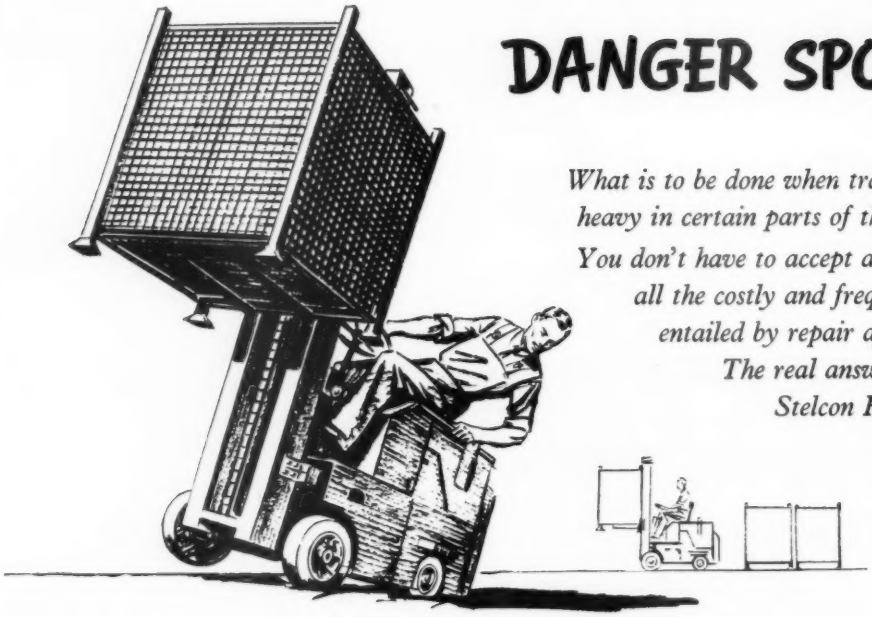
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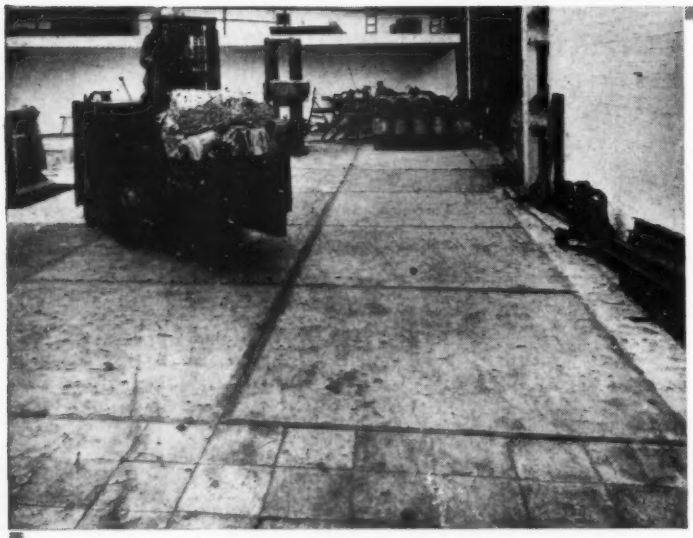
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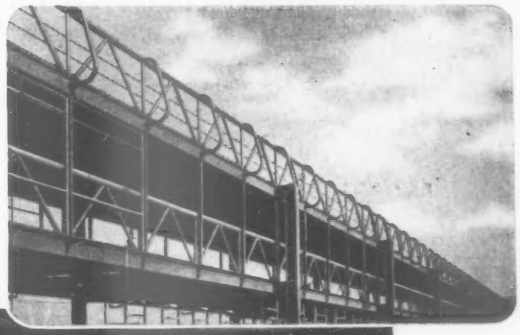
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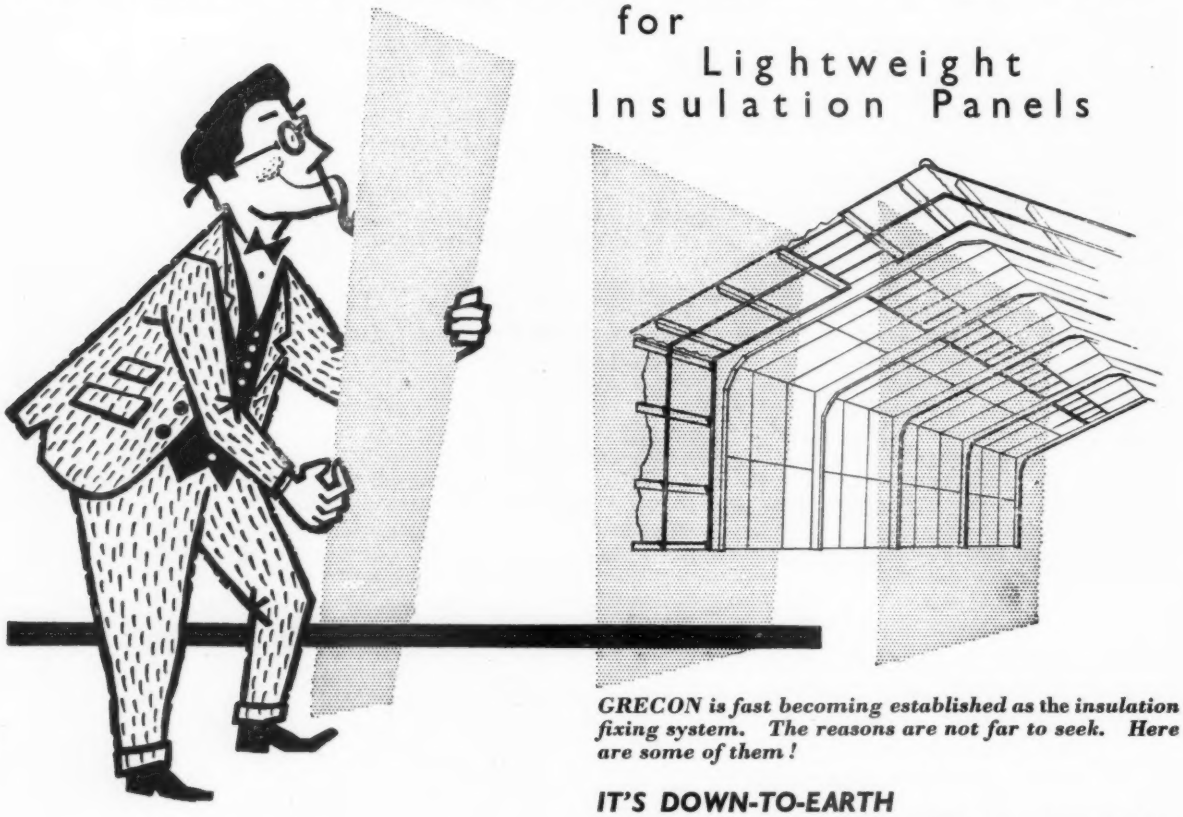
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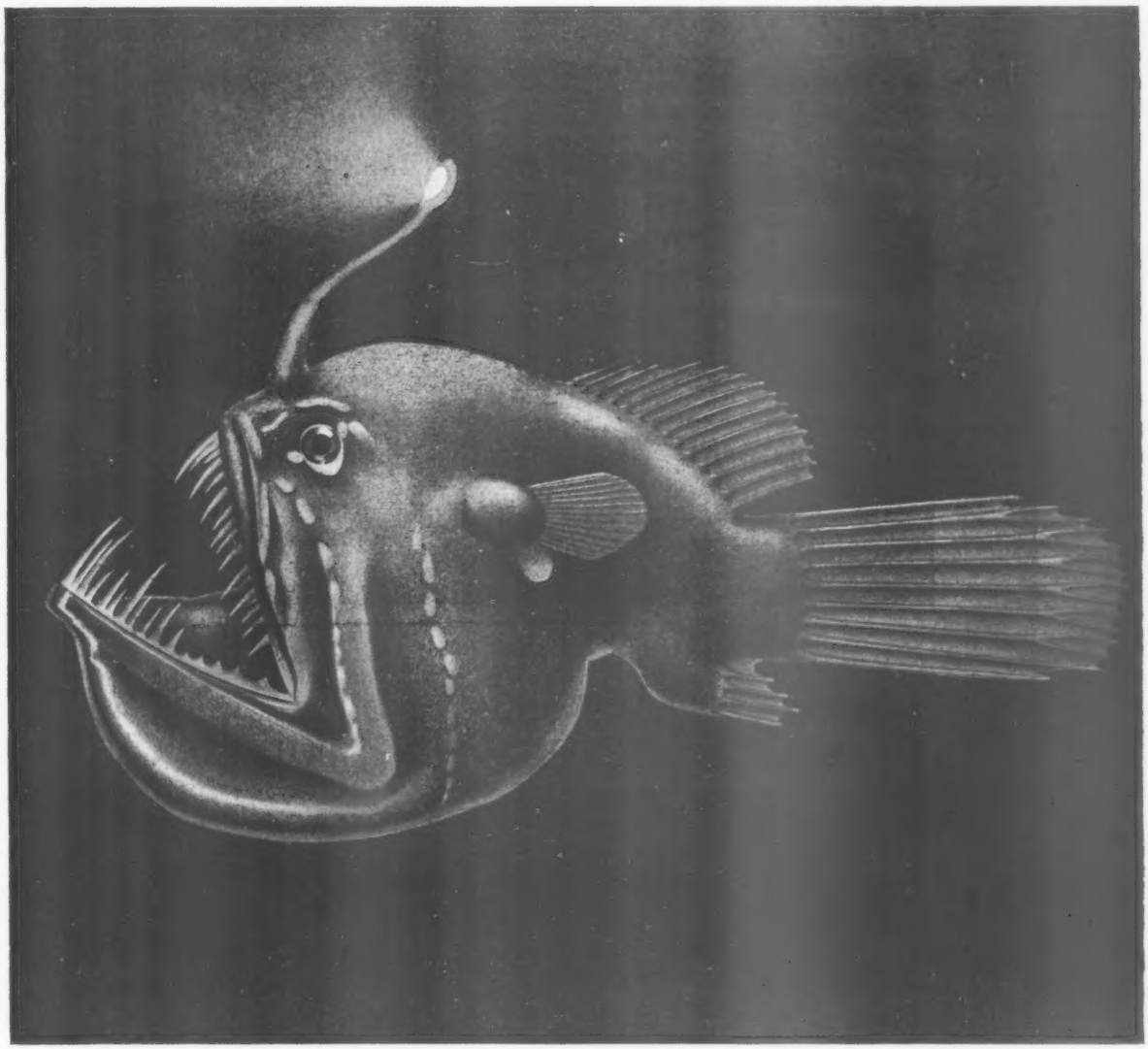
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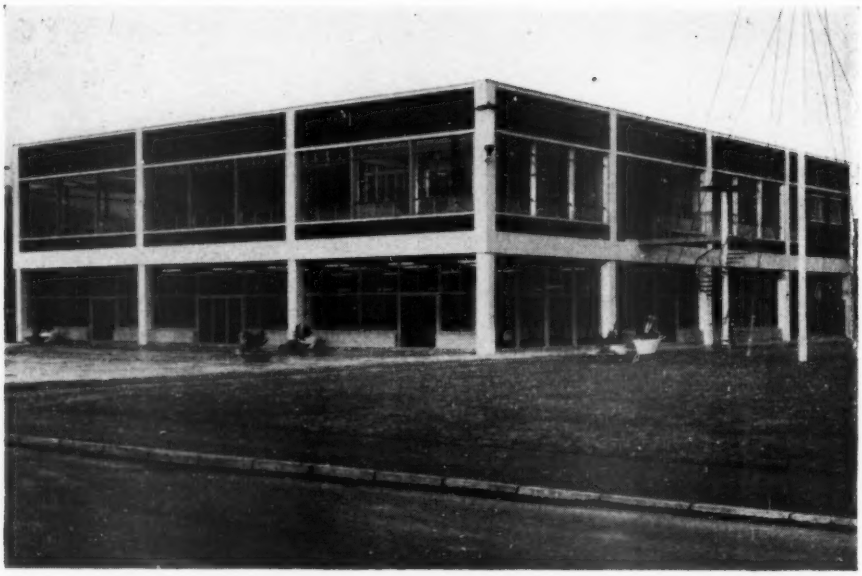
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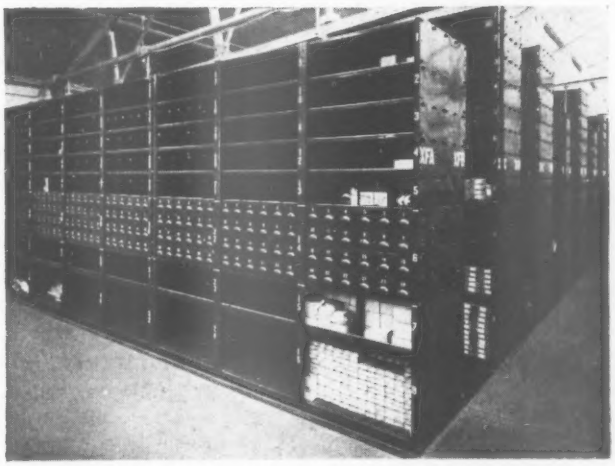
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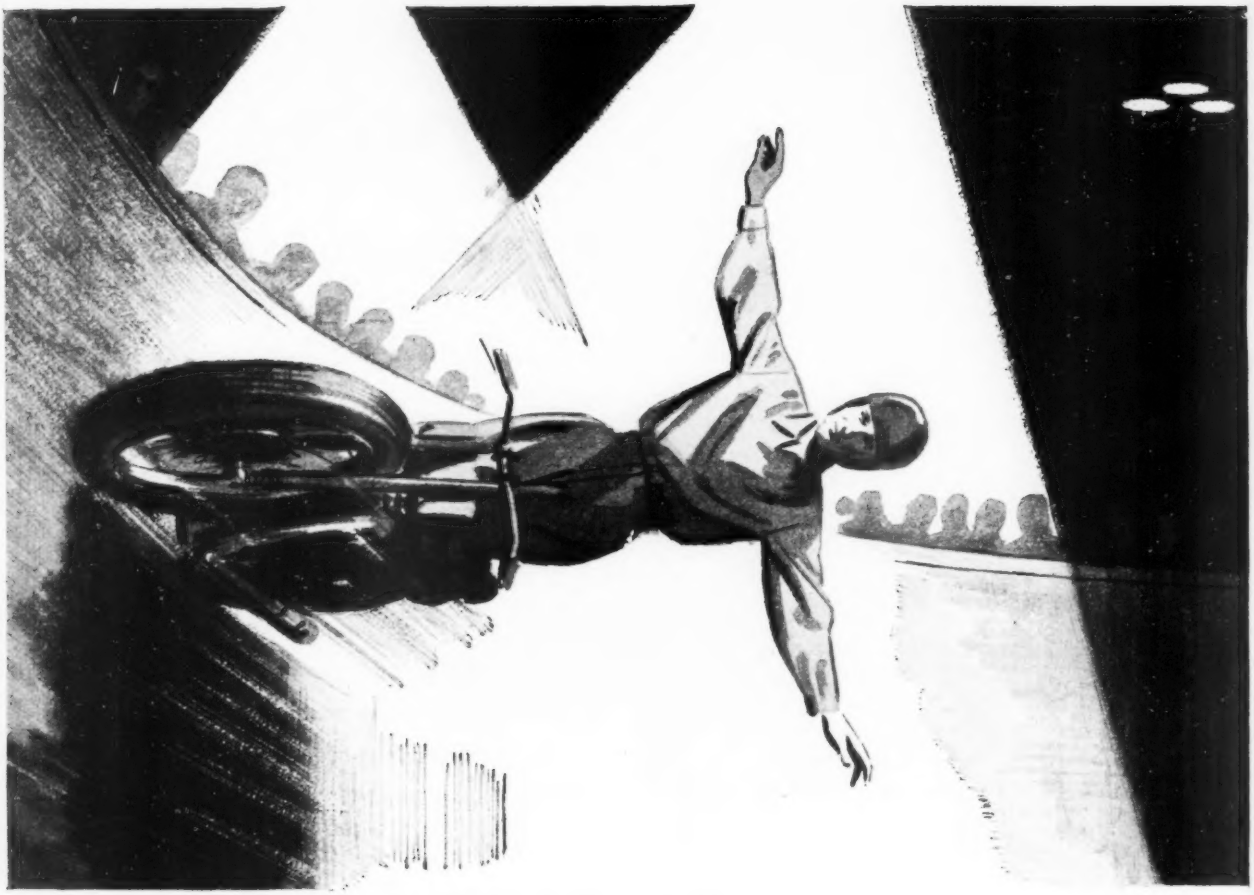
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If it's PAINT, and if it's produced by montgomerie stobo—then you can have all the confidence in the world in recommending it for quality, durability, colour fastness and 'rightness for the job'—nothing is left to chance in its manufacture, which probably accounts for the number of new projects on which it is being used to-day!

★ Technical Advisory Service for specifications and colour schemes.

★ All shades to B.S.S. 2660. 1955 Colour Classification.

★ On Site Technical Service available to architect and builder.

montgomerie, stobo & CO LTD

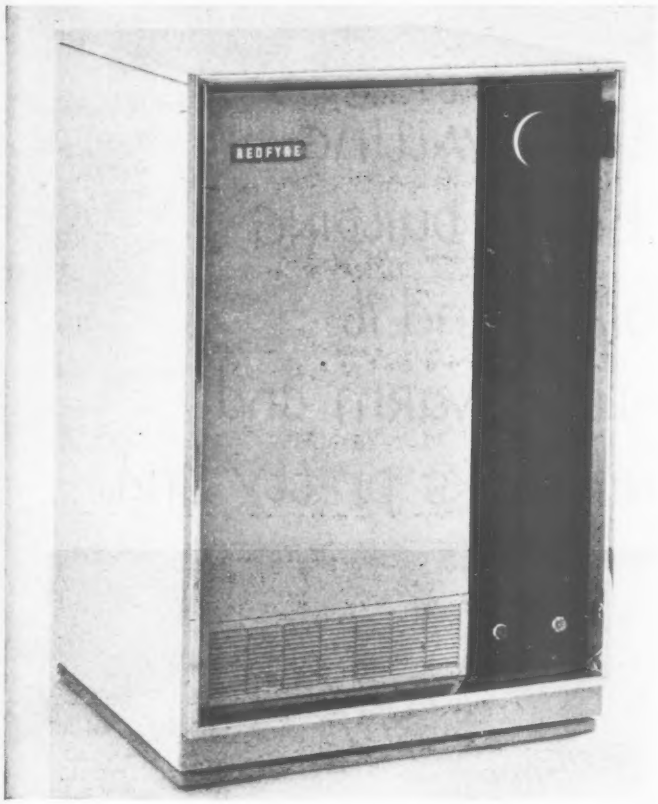
Deeside, Saltney, Nr. Chester.
Telephone Chester 23128 (3 lines)
Telegrams 'Turpentine' Chester.

136/154 Stranmillis Road, Belfast.
Telephone Belfast 67978.
Telegrams 'Turpentine' Belfast.

52-72 Rogart Street, Glasgow, S.E.
Telephone Bridgeton 1005/6/7.
Telegrams 'Turpentine' Glasgow.

Also at Slough

No doubt now! Oil-fired central heating is best—even for smaller homes



The new **Redfyre** Centramatic —"brainiest" oil-fired boiler ever

Oil-fired central heating comes of age with the new Redfyre Centramatic. All the problems that have hitherto got in the way of convenience and economy have been given intelligent answers. As a result the Centramatic can provide the kind of trouble-free service that until now would have been impossible in such a reasonably-priced appliance. To achieve all this Redfyre's oil-heating design team have built more "brains" into the Centramatic than there are in any other oil-fired boiler.

Here's how this "brain-power" is applied

Electric Ignition

Ordinary oil-fired boilers, when they are idling, either cut down the general rate of burning or rely on a single pilot-light. In both cases you get imperfect, uneconomical and "sooty" combustion. The Redfyre Centramatic has a better idea. When the thermostat control says "no heat required", the flames go out altogether and no oil or electricity is used. When heat is needed again the flames are relit automatically and the unit is operating at maximum output within seconds.

Complete Thermostatic Control

The householder can select the temperature he needs on the temperature scale. Then the Redfyre Centramatic regulates the burning so as to keep the water automatically at the selected temperature. (Incidentally, the control apparatus of the Centramatic is as pretty a piece of precision engineering as you could hope to see.)

Automatic Combustion

Some boilers need a good, natural chimney draught. Not the Redfyre Centramatic (although it needs a chimney flue into which to exhaust). It provides its own draught, and regulates how much it needs. This saves a lot of fuss and bother.

Specially designed for the kitchen

The standard dimensions for basic kitchen equipment are 36″ high by 21″ deep. But the only oil-fired boiler with sufficient sense to conform to these figures is the Redfyre Centramatic. So it looks good in a modern kitchen not only because it *is* good looking (and it's by far the most handsome oil-fired boiler that anyone's yet designed), but because it's the right shape and the right size. It is also fully insulated. The Centramatic is finished in wipe-clean three-tone enamel and available in an attractive variety of colours.

Easy to install and service

The Redfyre Centramatic asks for no specialised installation technique because it is self-contained and because it is not dependent on chimney pull for efficient operation. The local supplier can service it yearly, and that's all the attention it will normally need.

A few more facts

The Redfyre Centramatic can produce up to 50,000 B.Th.U.'s per hour—enough for radiators plus heated towel rails, plus ample hot water for the kitchen, plus *continuous* hot baths. In other words it is ideal for the three, four or five bedroom house. A point to remember is that because the Centramatic has the benefit of electric ignition, it is still efficient and economical when worked at less than its full capacity.

Two sizes available

The Centramatic described here is the Centramatic 50. But there is also available a larger version, the Centramatic 80, with an hourly output of 80,000 B.Th.U's. It has all the good points of the Centramatic 50, is cylindrical in shape (22″ diameter by 54″ high) and compact for its output. **Centramatic 50 £128 (no extras)**
Centramatic 80 £149 (no extras)

May we tell you more?

Full technical specifications of the Redfyre Centramatic oil-fired boilers are available on request. Please write to Newton Chambers Ltd., Redfyre Products, Thorncliffe, Sheffield.



curtain walling
is when a building
stands behind it
and keeps warm and
dry and looks pretty and...

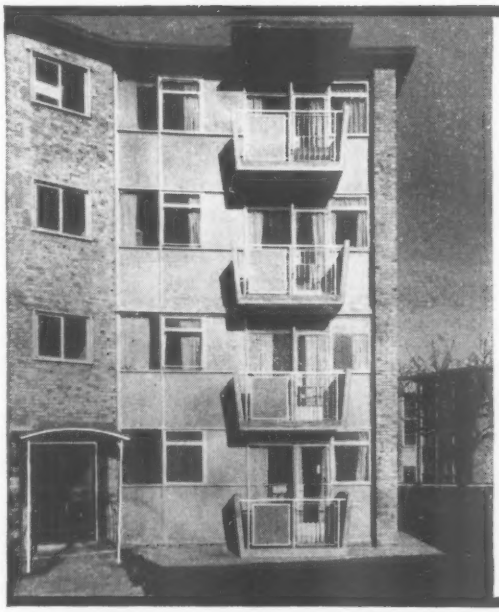


Flats for the Borough of Maidstone
Borough Surveyor,
S. F. Dixon, M.I. Mun.E., L.R.I.B.A.
Chief Assistant Architect,
R. E. Carlick, A.R.I.B.A.

He might have added that most people these days call it WALLSPAN—the most widely used curtain wall system in the country.

He could have said too that this contract shows Wallspan looking as good on a domestic scale as it does on offices and factories. These 180 flats have been recently erected for the borough of Maidstone to rehouse families from clearance areas in the town.

They are arranged in 4-storey blocks of 12 and 24 flats, built on a basic 'Y' shaped plan grouped round a hexagonal central unit, which contains the entrances, stairs and services. The 24-flat blocks consist of two normal blocks linked together. Sections of Wallspan, each 2 storeys high, clad the side of the blocks. Each flat has its own private balcony cantilevered from the main floor slabs between the Wallspan mullions, which are placed at 6 foot centres. In order to preserve the continuity of the mullions, the balcony floors are formed in a T-shape to give them extra external width.



Showing how the balcony floors have been trimmed round the Wallspan mullions.

Infilling panels are of ½" Asbestolux faced with stucco-embossed silicon alloy aluminium sheet.



forward looking building products

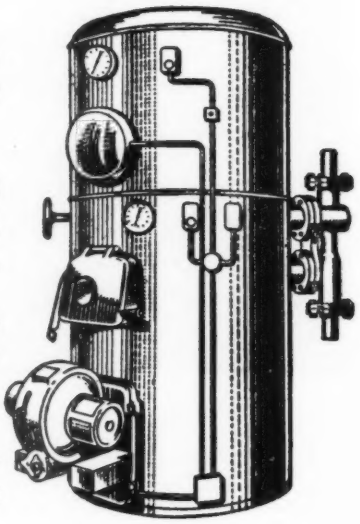
WILLIAMS & WILLIAMS

Williams & Williams make steel windows of every description. ALOMEGA and other aluminium windows, movable steel and glass partitioning, ALUMINEX patent glazing, WALLSPAN curtain walling and many other products.

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the most efficient CENTRAL HEATING and DOMESTIC HOT WATER BOILER— in one unit

- The Boiler is a self-contained unit with a built-in Calorifier, and is fully insulated and thermostatically controlled for both services. Capacities: 60,000 to 800,000 B.t.u's/h.
- Equally suitable for oil or solid fuel firing, the change to either fuel can be made easily and quickly.
- The Mixing Valve regulates the flow temperature for Central Heating, yet ensures maximum water temperature for domestic hot water.
- The Boiler output can be devoted wholly to Central Heating or to Domestic Hot Water production at will, or both services can be in operation simultaneously.
- Consistent room temperature at the level *you* need it, and really hot water at any time of the day or night is always available.
- Full particulars and complete descriptive literature, for Home and Export enquiries, can be obtained from:



HOVAL BOILERS

Sole licensees and manufacturers in Great Britain and Eire:

A. J. RILEY & SON LIMITED

DEPT. 415, VICTORIA WORKS, BATLEY, YORKSHIRE. *TELEPHONE: 657 (3 LINES)*

LONDON SALES OFFICE: KIRKMAN HOUSE, 54A, TOTTENHAM COURT ROAD, W.1. *TELEPHONE: MUSEUM 1064*

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RUBBER · PLASTIC · MINERAL

HIGHEST QUALITY

at competitive prices!

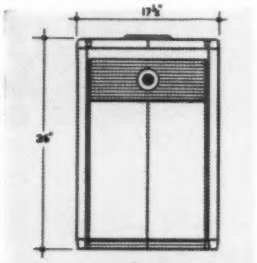
BRITISH INSULATED CALLENDER'S CABLES LIMITED
21 Bloomsbury Street, London, W.C.1.

SPECIFY SOFONO AUTOMATIC BOILER

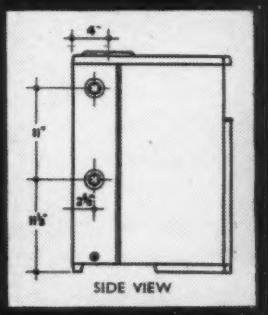
Materials and Finish—Vitreous enamelled cast iron top and fuelling lid with sheet steel enamelled front and sides. Choice of thirteen finishes including self colours and duo-tone colour combinations. *Heat Service*—Designed to provide domestic hot water service and combined system. Continuous rated output 17,000 BTU/hr. The boiler is automatically controlled and will operate at the continuous rated output for six hours without refuelling. At lower outputs there is an increase in the interval between refuelling. The space heating output from the appliance provides kitchen comfort. *Fuel Capacity*—0·72 cu. ft. *Thermal efficiency*—Overall 70%: water heating 60%, space heating 10%. *Boiler Heating Service*—2·85 sq. ft. *Boiler*—Welded steel square "U" section having a refractory brick lining to front instead of waterway. *Bottomgrate*—Area 0·63 sq. ft. with two piece shaking and dumping grate. *Combustion Control*—Thermostatically operated. Manual controlled butterfly-type flue damper available. Secondary air admitted to space over fuel bed. *Flue Outlet*—Top outlet to suit spigot end of 4in. cast iron flue pipe. *Boiler Tappings*—2in. to 1¼in. B.S.P. on each side with one side plugged. Boiler supplied prepared for right hand connection unless otherwise specified. *Boiler Cleaning Doors*—Standard 5½in. by 2¾in., one at each side of boiler. *Ignition*—Hole with swivel cover is provided in front casing for entry of gas poker. *Tools and Accessories*—The boiler is supplied complete with multi-purpose operating tool, ashpan and ash-spillage tray. Ashpan Tidy and Fuel Hod available as optional extras. *Suitable Fuel*—Recommended: Gas Coke No. 3 (½in. to 1¼in.). Others suitable: Hard Coke (⅝in. to 1in.), Welsh Dry Steam Coal (¾in. to 2in.), Anthracite (⅝in. to 1¼in.), Phurnacite, Coalite (¾in. to 1½in.), Rexco (¾in. to 1¾in.). *Approval*—Approved by Gas Council and included in the List of Approved Domestic Solid Fuel Appliances issued jointly by the C.U.C. and Solid Smokeless Fuel Federation in consultation with Ministry of Power.

GRANGE-CAMELON IRON CO. LTD. FALKIRK
A Federated Foundries Company.

SPECIFICATION

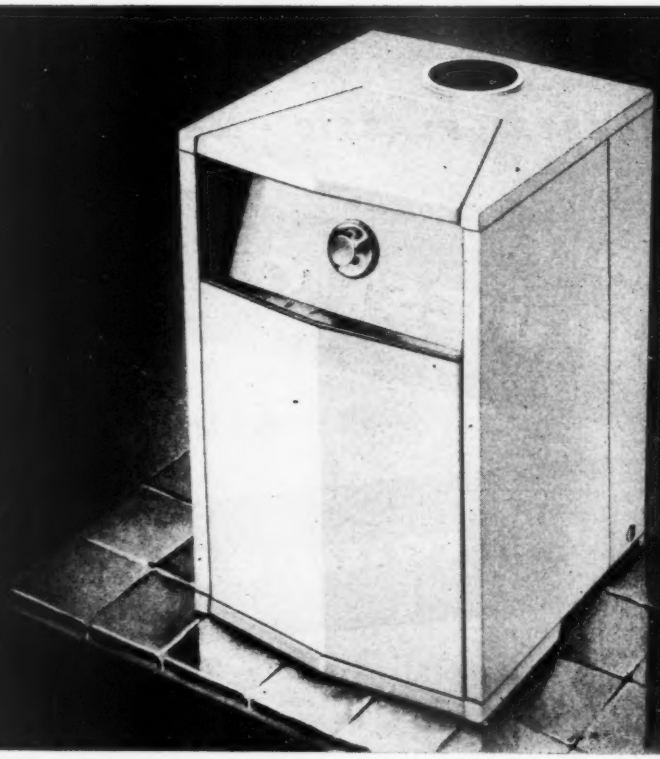


ELEVATION



SIDE VIEW





HEATING SYSTEMS

DOMESTIC HOT WATER ONLY

30/60 gall. Storage Cylinder may be of direct type except in soft water areas where indirect type is necessary.

DOMESTIC HOT WATER PLUS RADIATORS

25/30 gall. Storage Cylinder (indirect type) plus 40 sq. ft. of radiator surface (2 or 3 domestic type radiators).

RADIATORS ONLY

75 sq. ft. of radiator surface (4 or 5 domestic type radiators).

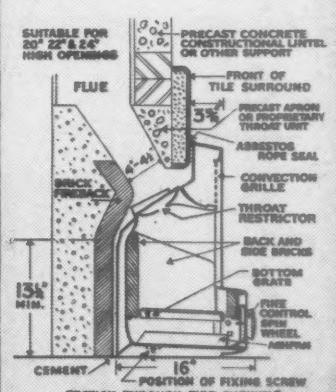
SPECIFY SOFONO SUPER-VIEW CONVECTOR

Materials and Finish—Cast iron with front vitreous enamel in choice of 8 colour finishes. *Heat Service*—Space heating capacity by radiation and convection for rooms up to 2,000 cu. ft. A throat restrictor to improve room comfort conditions is incorporated and adjustable by movement of the grille/canopy over the fire. *Fuel Capacity*—0·36 cu. ft., 0·49 cu. ft. with deepening bar, 0·50 cu. ft. with deepening plate. *Ignition*—Luminous flame gas ignition burner can be incorporated as optional extra, suitable for right or left hand ¼in. B.S.P. connection. *Construction*—Cast Iron with steel convection jacket and refractory brick lined firebox. Will fit most standard fireplaces with 16in. or 18in. rectangular fire openings and height of 20in. to 24in. Fixing is by means of a single screw to the hearth and sealing is by means of asbestos rope to flat surround. *Bottomgrate*—One piece cast iron or chrome iron with ½in. bar spacing for coal burning and ⅝in. bar spacing for coke burning. The ½in. bar spacing bottomgrate in cast iron is supplied as standard unless otherwise specified. *Combustion Control*—By top opening adjustable ashpit cover with spinwheel for fine control. *Convection*—Air intake to the self-contained convection chamber is under the base of the appliance through an opening below the ashpit cover and the outlet of the convected warm air is through the perforated panel directly over the fire opening. *Tools and Accessories*—The Super-View is supplied complete with multi-purpose operating tool and ashpan. Deepening bar (recommended for coke burning) and deepening plate (for overnight burning) are available as optional extras. *Approval*—The Sofono Super-View is approved by Gas Council and is included in the List of Recommended Domestic Solid Fuel Appliances issued jointly by the C.U.C. and Solid Smokeless Fuels Federation in consultation with Ministry of Power.

GRANGE-CAMELON IRON CO. LTD. FALKIRK
A Federated Foundries Company.



Delivered complete and ready for fixing to an existing fireplace. No structural alterations necessary.



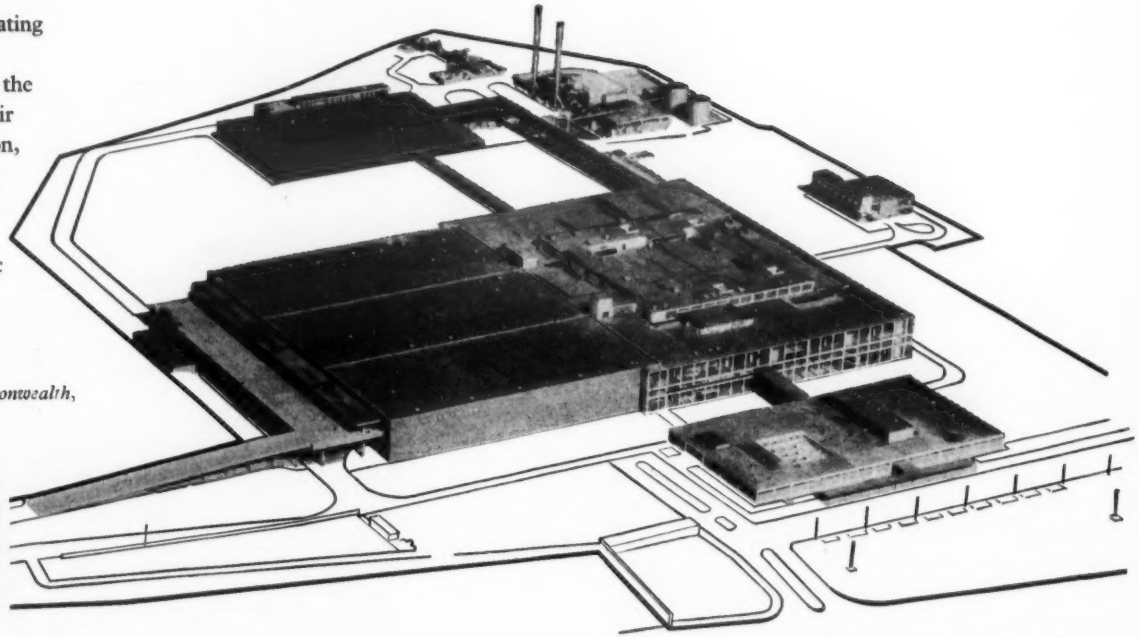
Please write to the Technical Director for information on all Sofono appliances

a complete service . . .

As main subcontractors for mechanical and ventilating services at the new Heinz factory, Kitt Green, Z. D. Berry & Sons Ltd., have been responsible for the heating, ventilating, hot water supply, compressed air and vacuum systems, water chlorination, refrigeration, steam and condense lines and cooling water circuits.

This job included over 53 miles of pipe, over 100 million B.T.U. per hour of heating and hot water supplies, 190 fans, 550 tons of ducting, 63 automatic control panels and equipment to deal with 170 million cu. ft. of air per hour and over 100,000 gallons of cooling water per hour.

Largest food factory in the British Commonwealth, over 900,000 square feet of floor area.



Z.D.BERRY
& SONS LTD.
Founded 1810

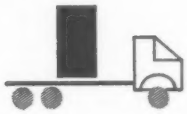
1810-1959—150 *years' experience*

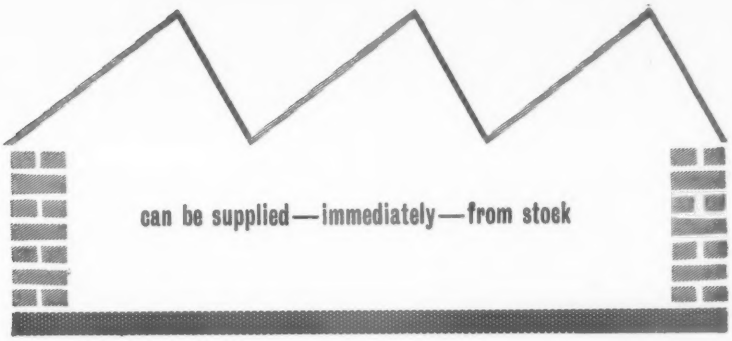
Architects—J. Douglass Mathews & Partners
Consulting Engineers—G. H. Buckle & Partners

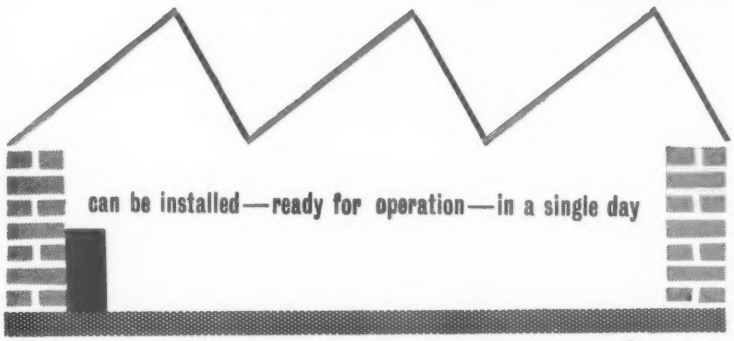
HEATING, VENTILATING, AIR CONDITIONING
PLUMBING, INDUSTRIAL PIPEWORK
Z.D. BERRY & SONS LTD., 16 REGENCY ST., LONDON, S.W.1 and at WARRINGTON & DONCASTER

TAS/BK.29

HEAT

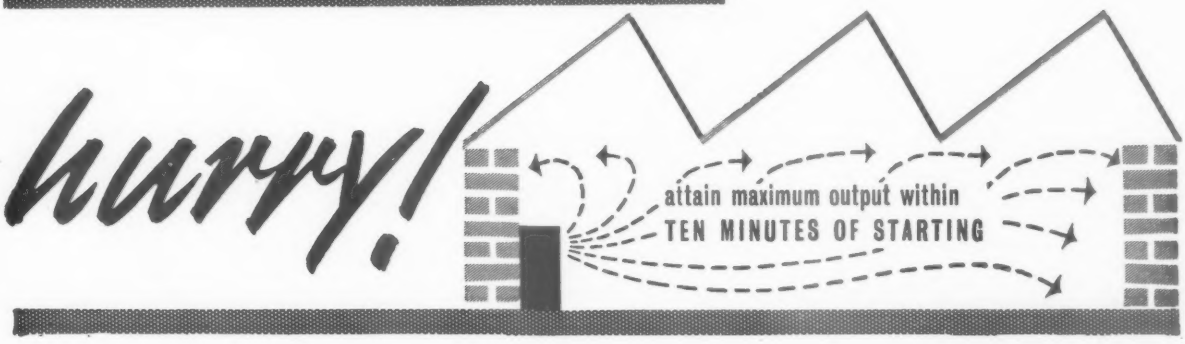






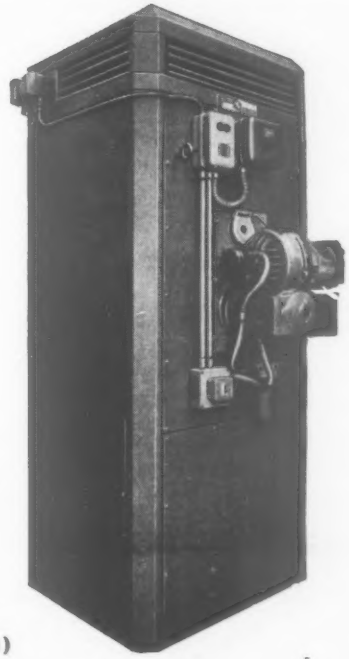
in a

hurry!



But that's not all. Efficiency and economy are of prime importance too and Colt heaters score heavily here. The units are specially designed to ensure absolutely uniform heating throughout the building and the final cost for every 100,000 B.T.U. dissipated into the heated zone is reduced to as little as 11.95d. And every Colt heating installation is as scientifically planned as a Colt Ventilation Scheme. Colt heating engineers are always available for free consultation.

Write for further details to Dept L151/6



COLT Oil Fired Air Heaters

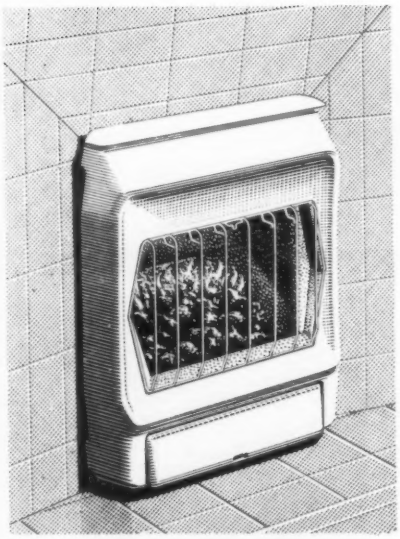
COLT VENTILATION LTD · SURBITON · SURREY · Tel. ELMbridge 0161 (10 lines)

low-cost heating with *top-designer looks*

Redfyre, whose famous Bacboilers put them years ahead in low-cost heating, now take the lead in tackling a new problem: matching really low cost with the best modern design. Styled to merge successfully with contemporary room schemes, the new Redfyres are equally suitable for modernising old property or for new building. And, as you'd expect from Redfyre, the whole range is very practical, very economical and remarkably low in initial cost.

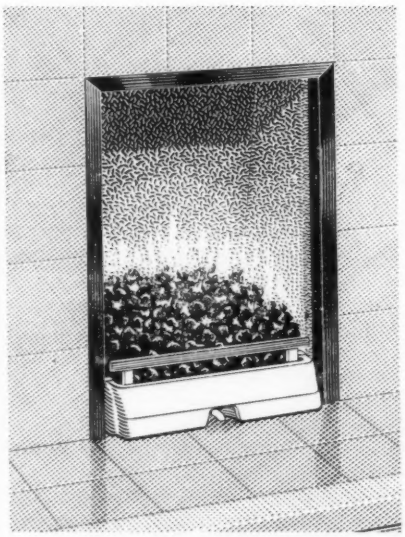
Write for the REDFYRE HANDBOOK—a handy folder containing full specification sheets of all Redfyre products. The Redfyre mailing service will keep your handbook up to date *automatically*.





Redfyre Convector No. 2.

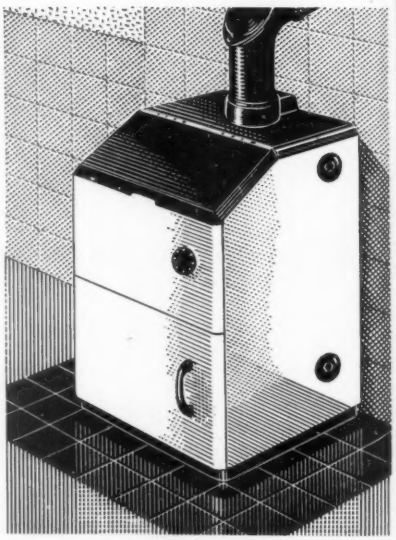
A superb new open convector fire which gives two-way warmth, by radiation and convection. An adjustable throat restrictor increases efficiency still further, giving far more comfort from far less fuel. It burns a wide range of fuels and is easy to install in almost any fireplace opening—no fire back is necessary. Suitable for rooms up to 2,000 cubic feet. "*An approved appliance.*"



New Hearth Redfyre

An efficient new fire with under-floor air feed for extra warmth, fewer draughts. The Hearth Redfyre gives economical, easy-to-control heating for rooms up to 1,750 cubic feet. Suitable for use with standard size 16" brick back, and for openings from 18-21 ins. high. "*An approved appliance.*"

Also available with the famous Redfyre Bacboiler as a complete unit.



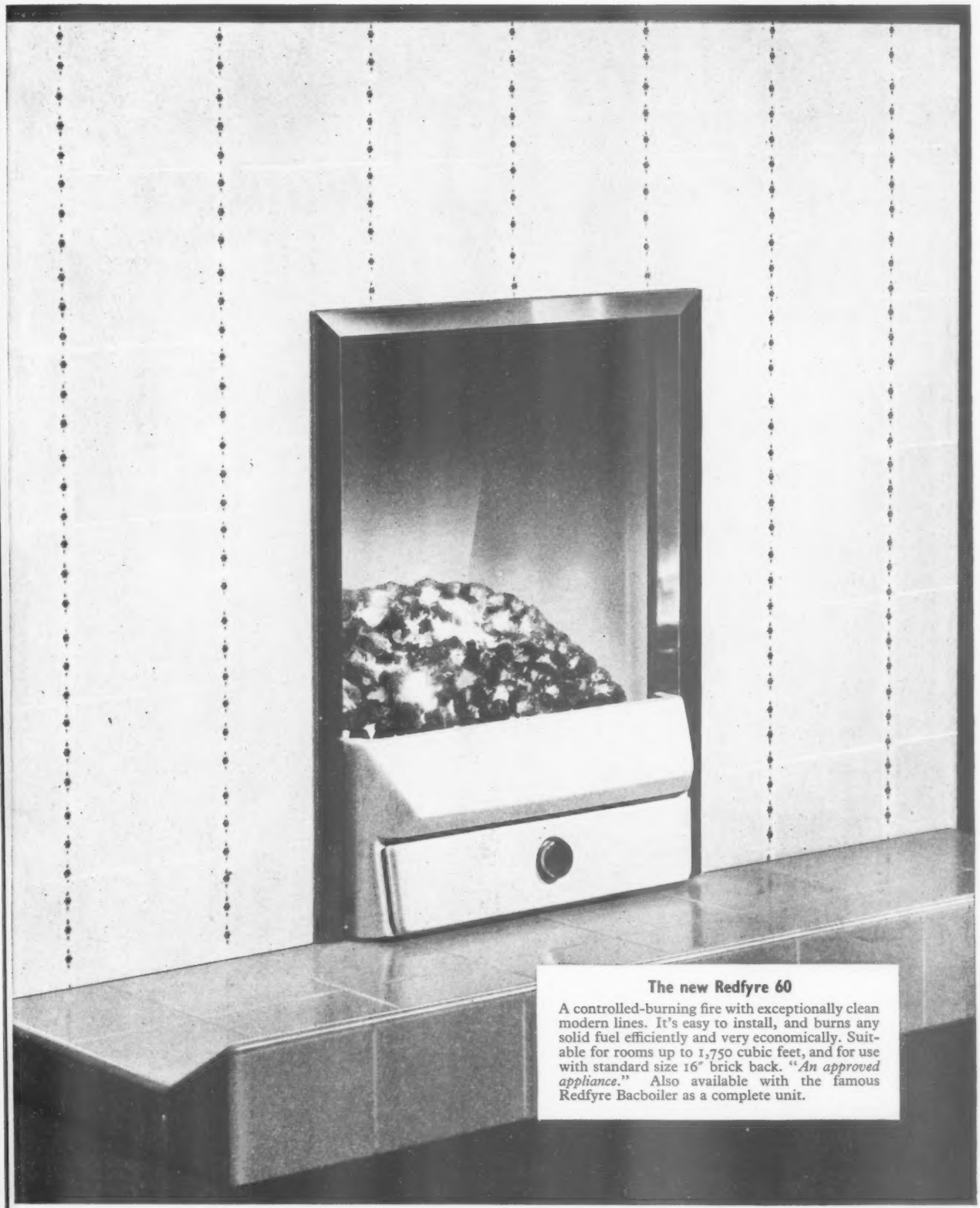
New Magazine Boiler

For hot water and radiators. Magazine feed-automatic control by thermostat. Compact and very efficient, the Magazine Boiler runs on any smokeless fuel. Continuous Heating Rating: 20,000 B.Th.U's/hr. Domestic Hot Water Rating: 35,000 B.Th.U's/hr. "*An approved appliance.*"

REDFYRE

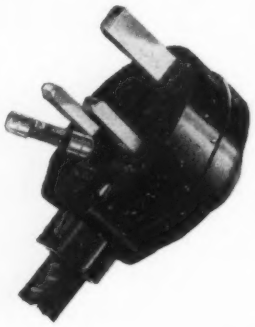
NEWTON CHAMBERS & COMPANY LIMITED, REDFYRE PRODUCTS, THORNCLIFFE, SHEFFIELD

Now! Redfyre gives you



The new Redfyre 60

A controlled-burning fire with exceptionally clean modern lines. It's easy to install, and burns any solid fuel efficiently and very economically. Suitable for rooms up to 1,750 cubic feet, and for use with standard size 16″ brick back. "*An approved appliance.*" Also available with the famous Redfyre Bacboiler as a complete unit.



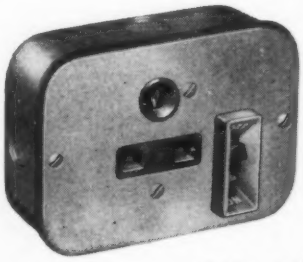
FUSED PLUGS
TO B.S.1363

In standard or 'Easy-Fuse' patterns, the latter incorporating a patented fuseholder that allows re-fusing in 15 seconds without the use of tools. In brown or white; 13 amp., rectangular pins.

CARTRIDGE FUSE LINKS

2, 3, 5, 7, 10 and 13 amp. (B.S.1362). In packs of 1 dozen.





SWITCH SOCKET OUTLET
TO B.S.2814 (TYPE B)

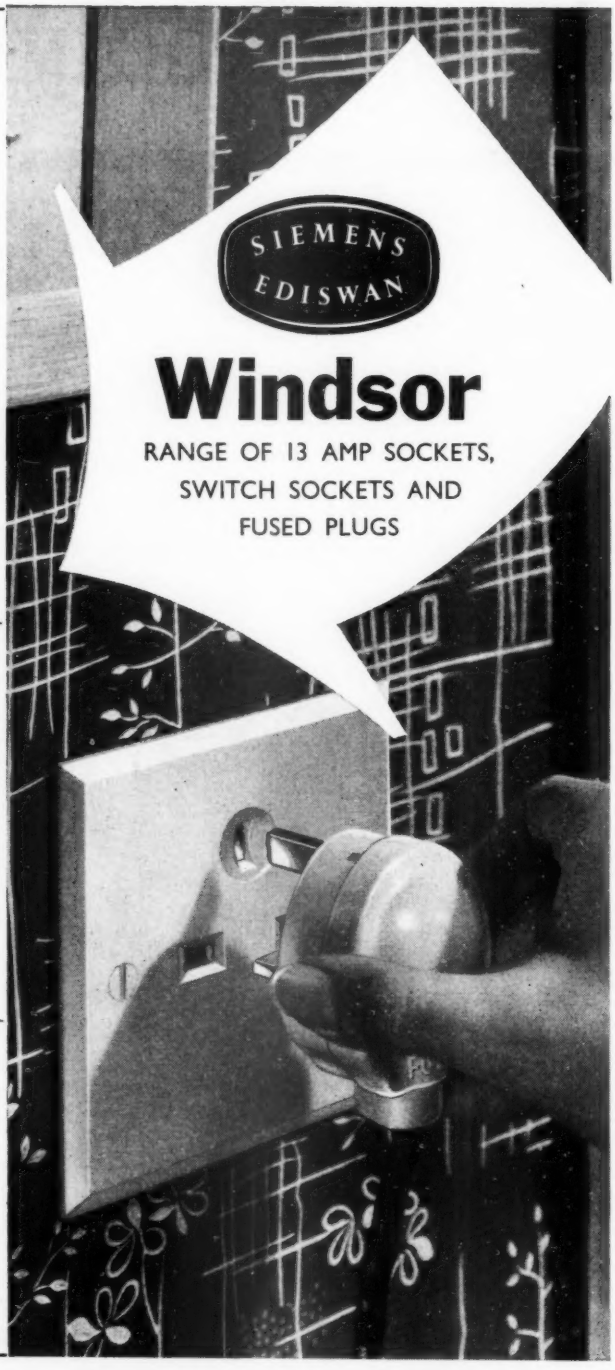
13 amp. 3-pin with pressed steel, aluminium finish boxes and lids.

Illustrated at right:

SHUTTERED SOCKET OUTLETS TO B.S.1363

Available for flush or surface mounting in various finishes—moulded brown or white, or metal B.M.A. or chrome front panels.

Switch socket-outlets to B.S.2814 (Type A) also available.



Modern living demands labour-saving devices, most of them electrical —to get full benefit from the wide range of equipment, today's home needs ample socket outlets—see that there are plenty.

more sockets more power at your elbow

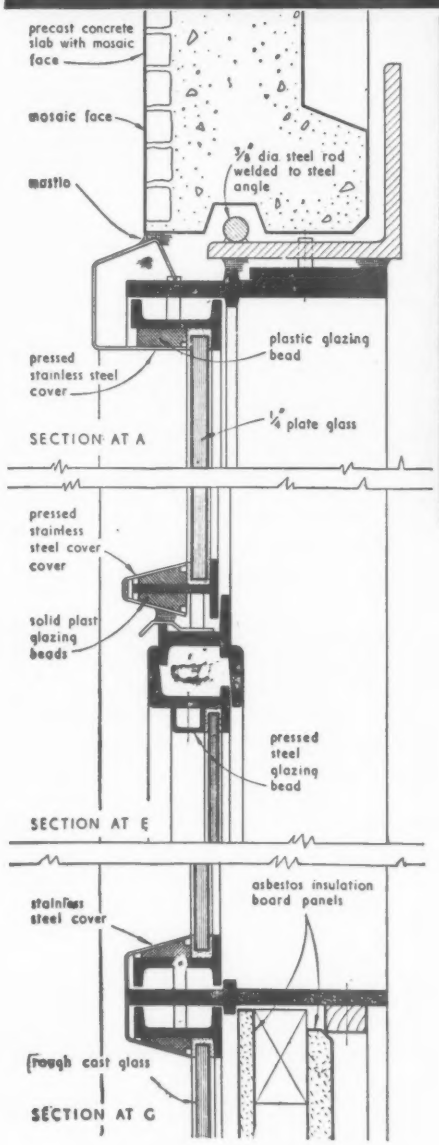
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CURTAIN WALLING BY MORRIS SINGER





BOWATER PAPER CORPORATION LIMITED

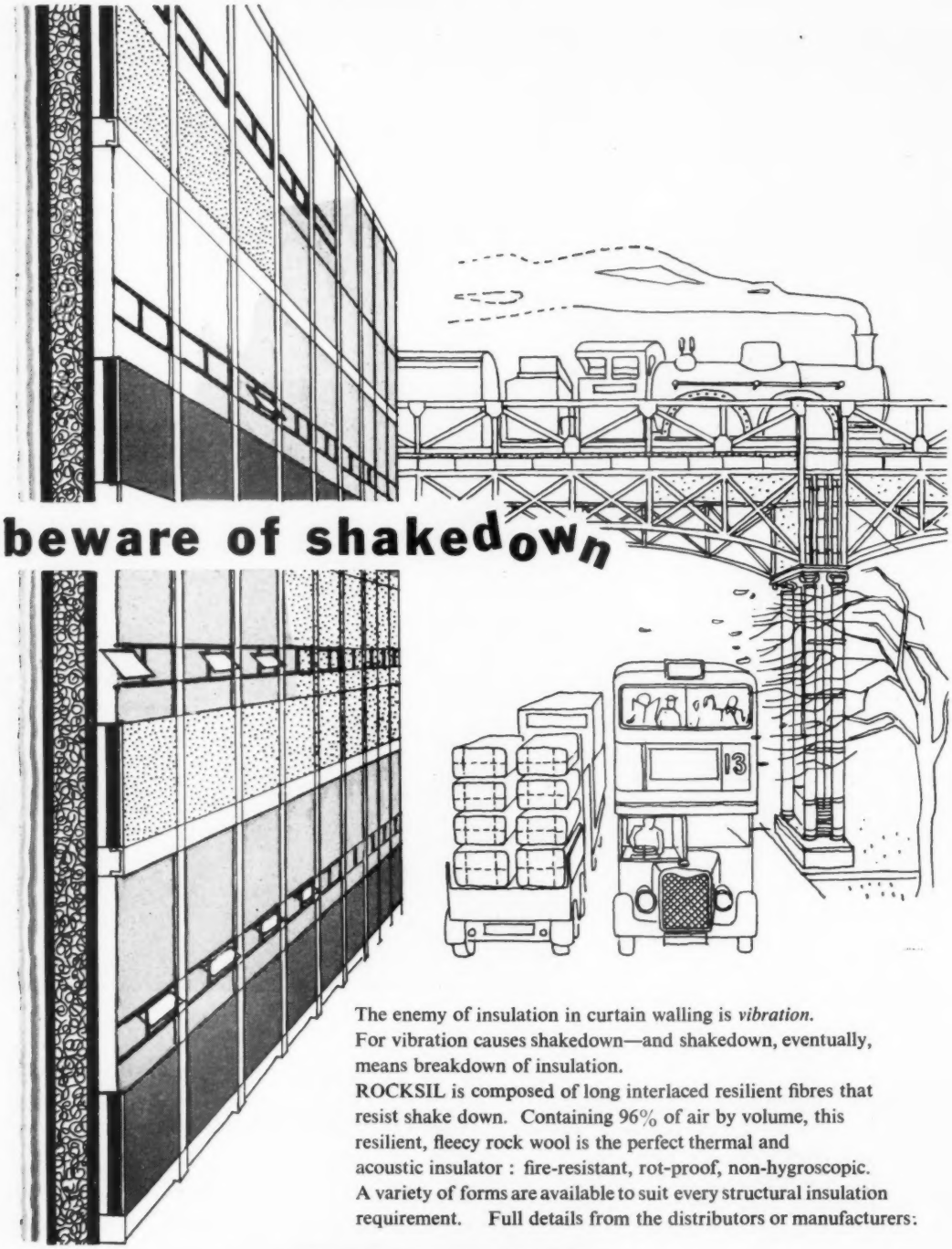
NORTHFLEET, KENT *Architects: Farmer & Dark, F/F.R.I.B.A.*

Holoform Curtain Walling can be manufactured to meet special requirements both those based on modular co-ordination and to special sizes. The Window Wall for Messrs. Bowater's new Office Block at Northfleet is constructed to suit a 3′ 4″ grid, modular construction being used both horizontally and vertically. The external face of all members is covered with stainless steel.

MORRIS SINGER

THE MORRIS SINGER COMPANY LIMITED

FERRY LANE WORKS, FOREST RD., LONDON, E.17. Tel: LAR 1055



beware of shakedown

The enemy of insulation in curtain walling is *vibration.*
For vibration causes shakedown—and shakedown, eventually, means breakdown of insulation.
ROCKSIL is composed of long interlaced resilient fibres that resist shake down. Containing 96% of air by volume, this resilient, fleecy rock wool is the perfect thermal and acoustic insulator : fire-resistant, rot-proof, non-hygroscopic.
A variety of forms are available to suit every structural insulation requirement. Full details from the distributors or manufacturers:

Resilient **ROCKSIL**

ROCK WOOL INSULATION

Distributed by

William Kenyon & Sons (MetaMica) Ltd
Dukinfield Cheshire
Ashton-under-Lyne 1614/7 & 3673/6

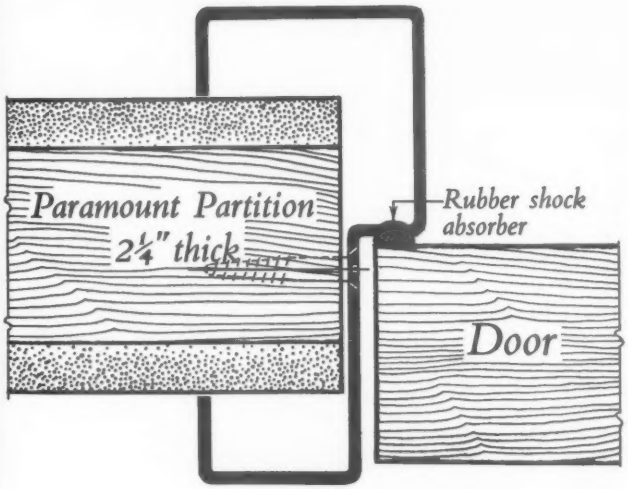
Cape Building Products Limited
Cowley Bridge Works Uxbridge Middlesex
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6 *csk. wood screws.*

2 *zinc-plated 5-knuckle steel hinges, one leaf welded into the frame and the other assembled with loose sherardized pin.*

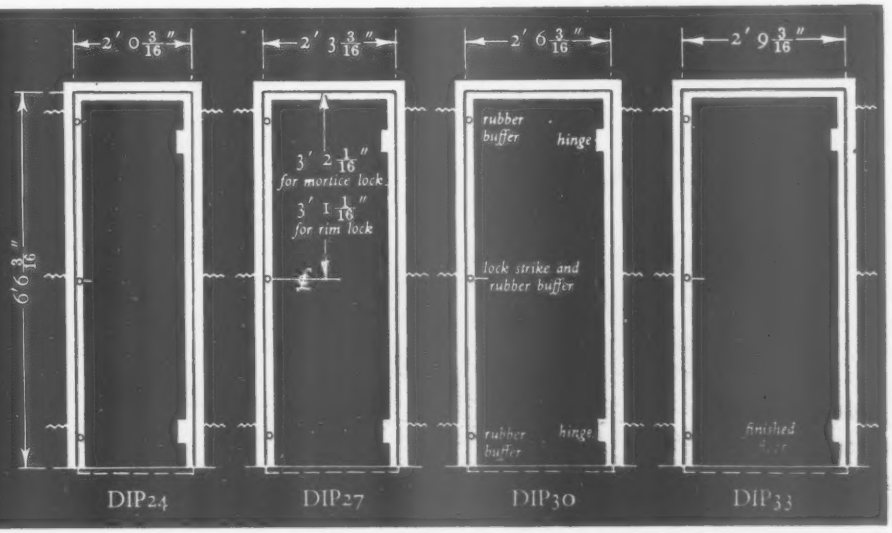
1 *hot-dip galvanized adjustable lock-strike plate with mortar guard.*

3 *rubber buffers (shock absorbers) inserted in rebate of the lock jamb.*

Base-ties are of heavy corrugated steel and are adjusted before despatch to set frame to level of finished floor. Floor mixing plates are provided at bottom of each jamb.

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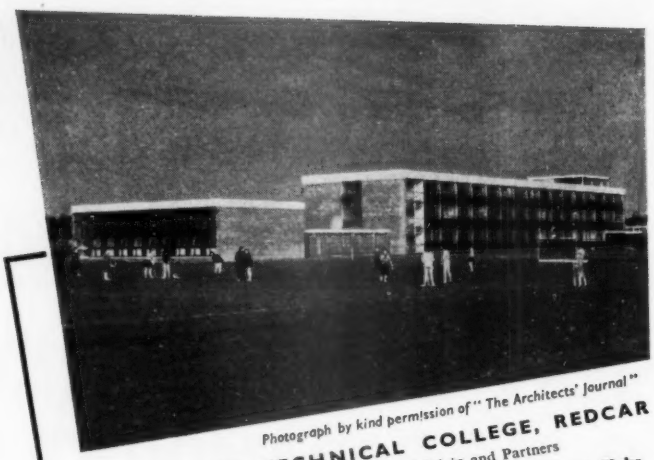
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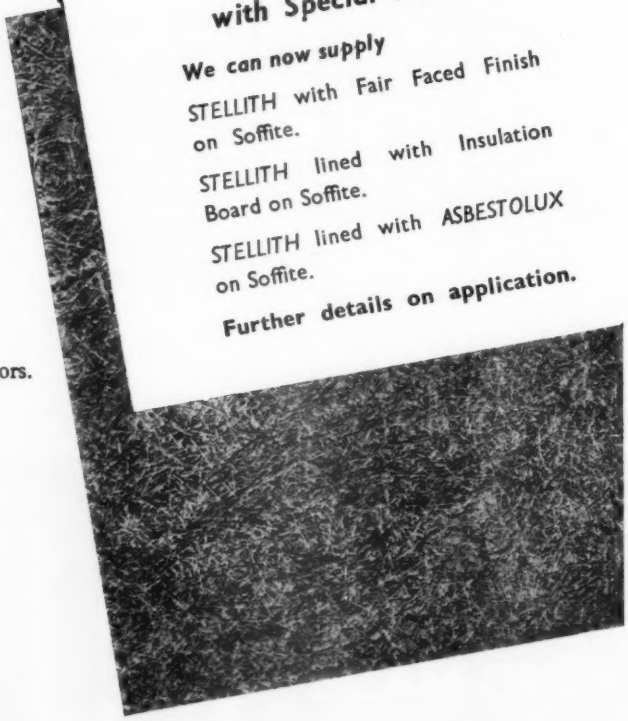
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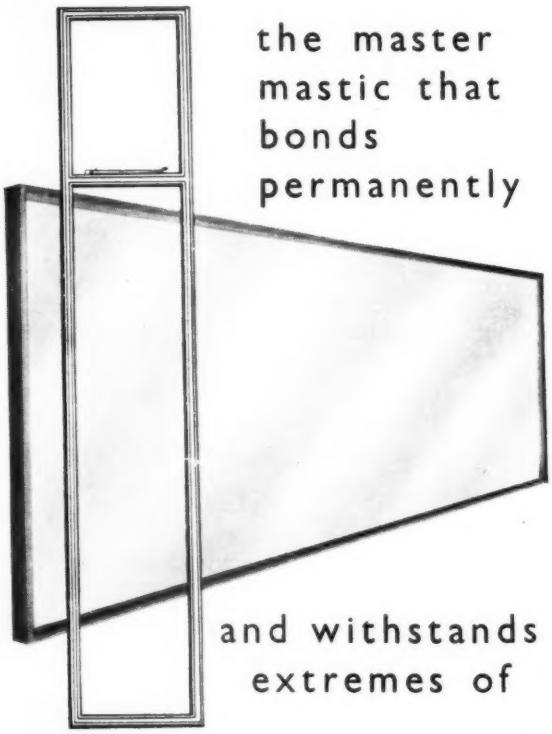
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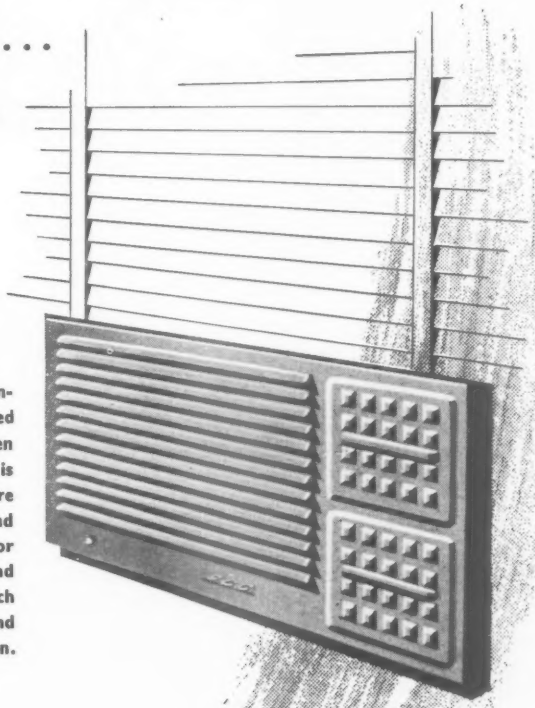
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Q. How does it directly affect those of us in the Commercial Refrigeration business?
A. In many ways. Let's consider the five points of the Development Programme. No. 1 is Production and Development. No. 2 Sales. No. 3 Sales Service. No. 4 Training and No. 5 Export. Under every heading we have made great strides which will benefit *you.*
Q. Could we take No. 1—Production and Development first, Mr. Porter?
A. In 1957 I said that in three years we planned to expand our production by 50% over the 1956 figures. *Well, we've beaten our own target. We did it in two years!* By June 1959 we had increased the annual output of Commercial Refrigeration equipment by 50.6% over the '56 figures.
Q. And what about Development?
A. Very satisfactory. Between June 1957 and May 1958 we produced *twelve* new commercial products—one a month. That's good going! Then between June 1958 and July 1959 we added nine more. These new products range from Dehumidifiers to self-service display equipment. We have just acquired additional large premises adjoining our plant at Hendon. They will house our new completely integrated research unit and will provide even greater facilities for design and engineering. The most up-to-date equipment will be installed including a unique electronic control panel for centralised temperature recording. These developments mean a continuing flow of better and lower priced products for you.
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A. Again we have beaten our own target. I said we'd do it and we did. In 1957 we were already the leading manufacturers of refrigerating equipment in Great Britain. Now we have further increased our lead in the industry.
Q. No. 3 Sales Service—are there any new developments?
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Q. This brings us to point No. 4. With production and sales rising are you increasing your Training?
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Q. And how is Frigidaire faring in the Export Market, Mr. Porter?
A. In the face of very severe competition we have made progress. We have been particularly successful with our low temperature ice cream conservators and display cases. We've increased exports of these by 51% in the past two years.
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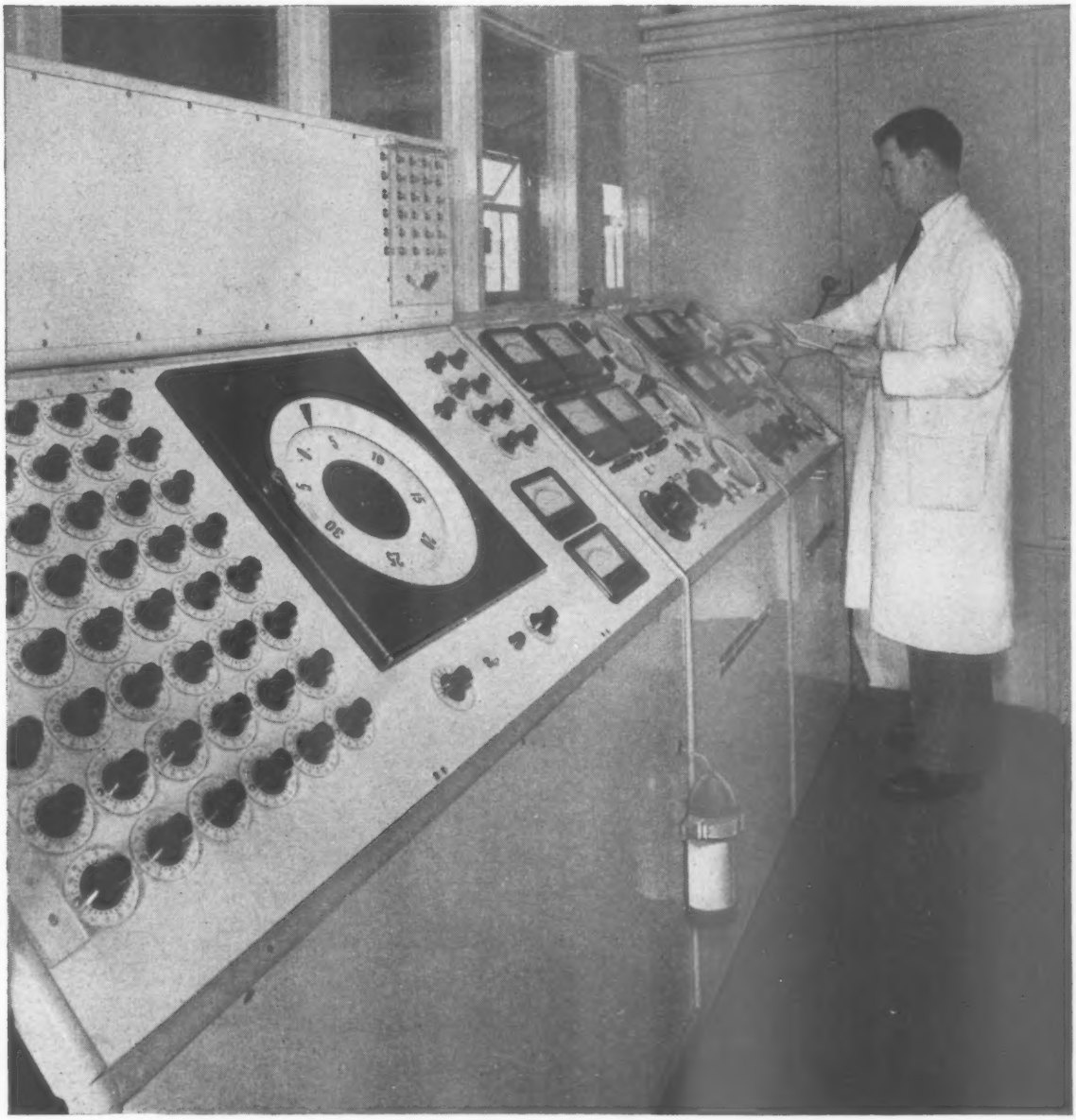
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reports to you on the achievements
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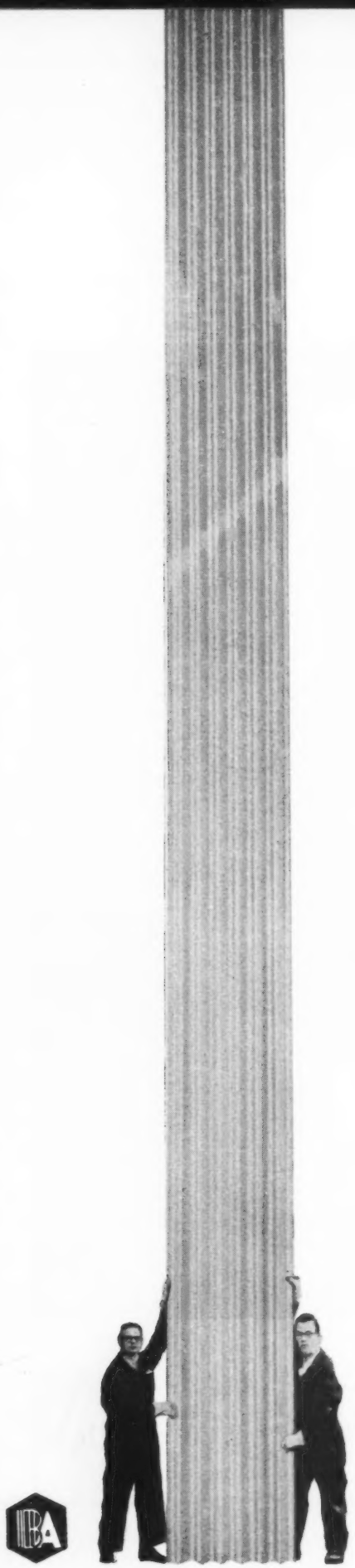
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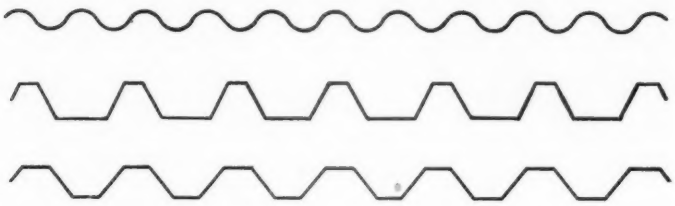


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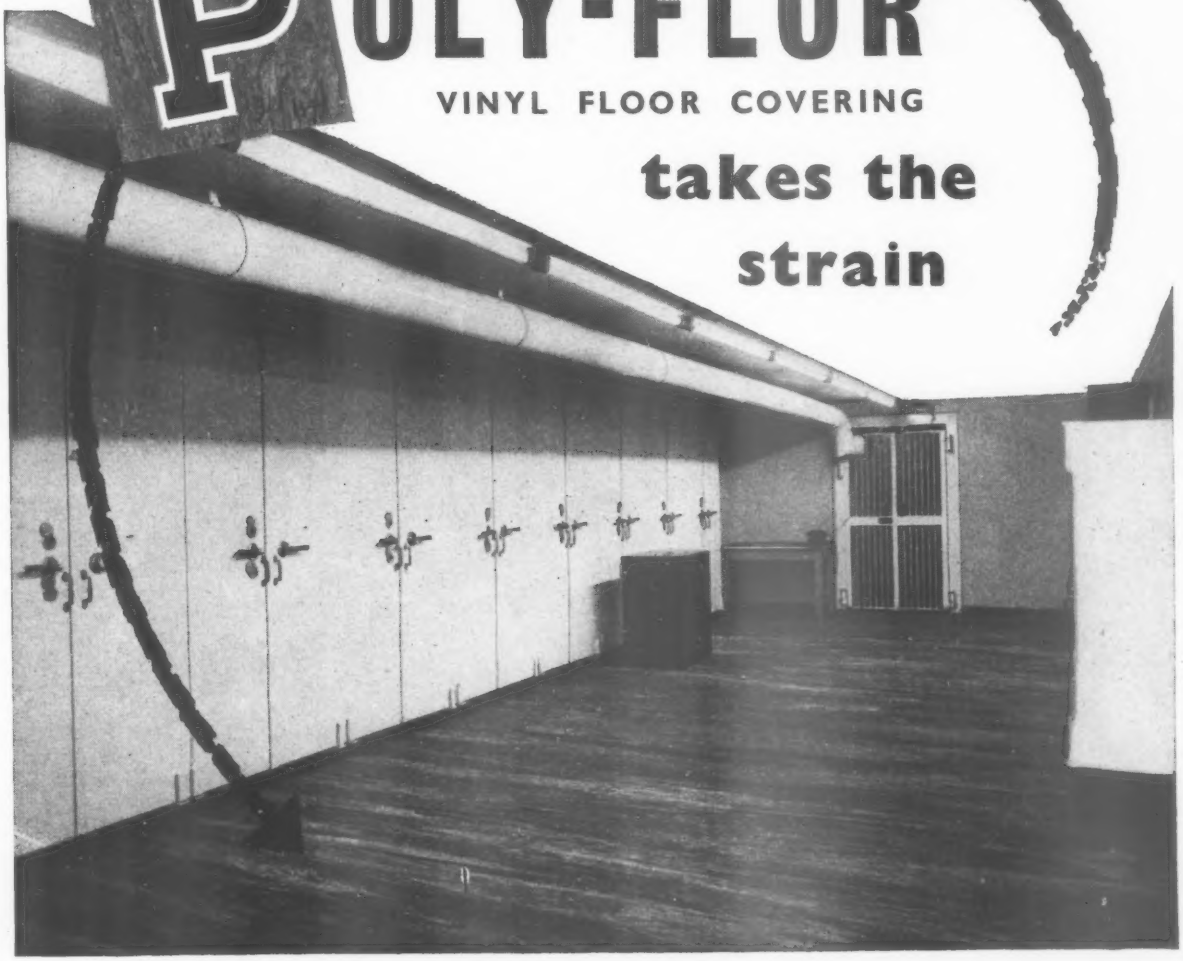
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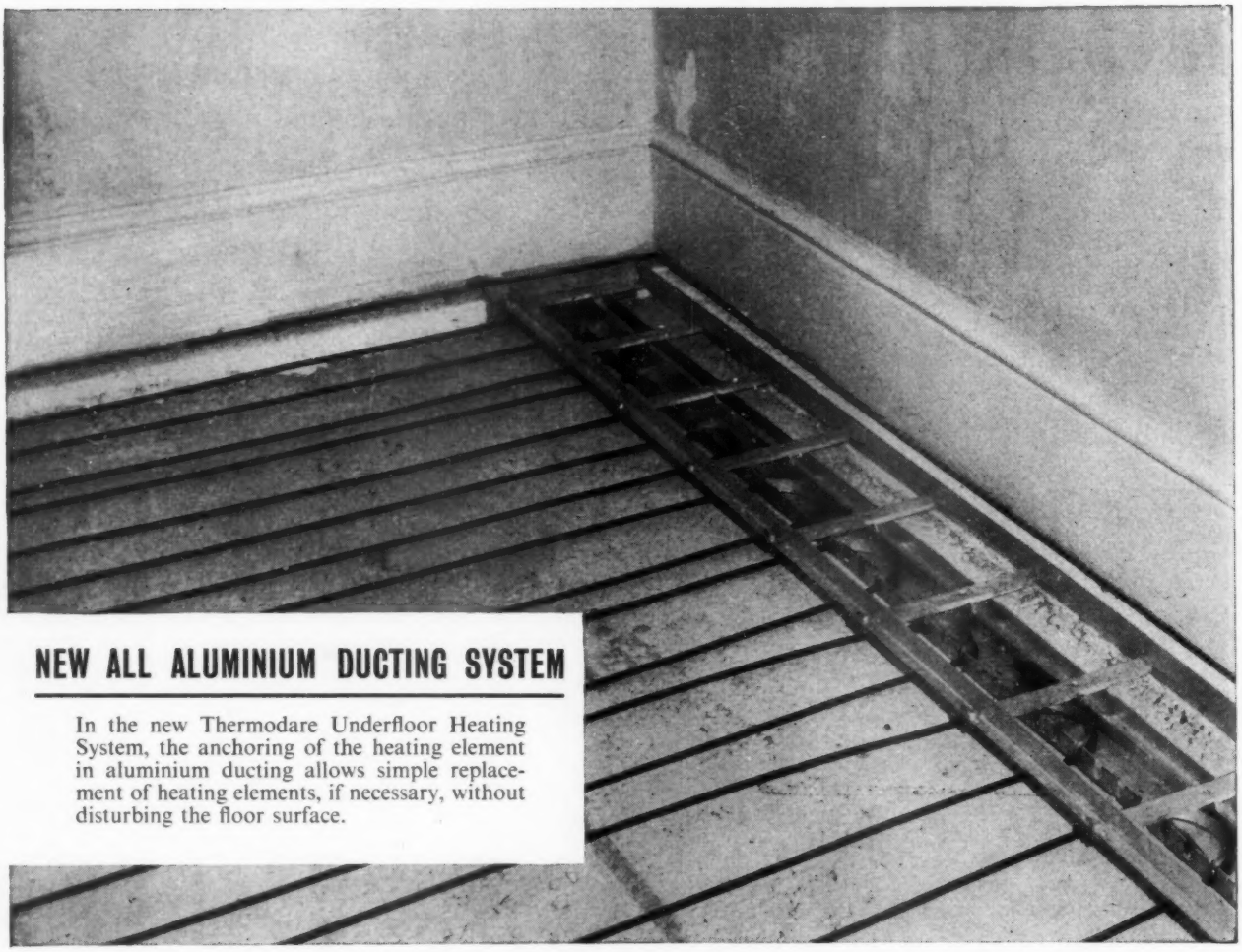
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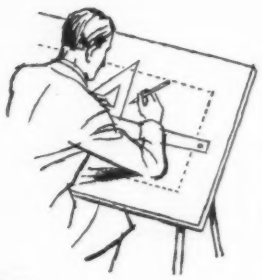


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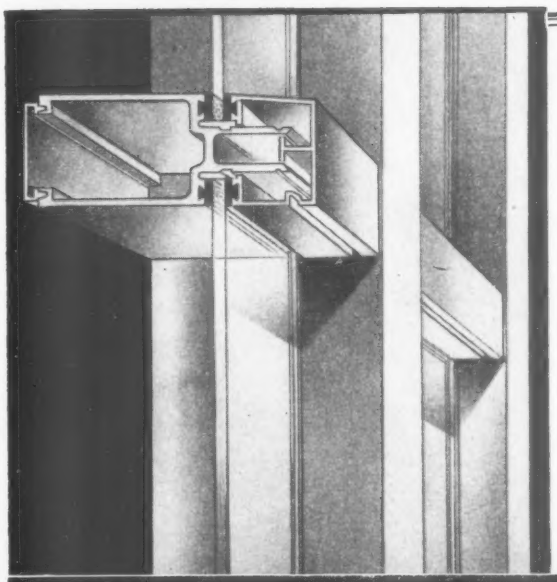
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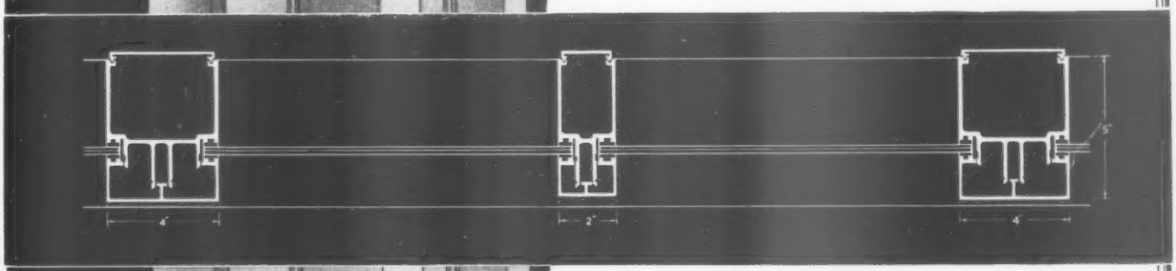
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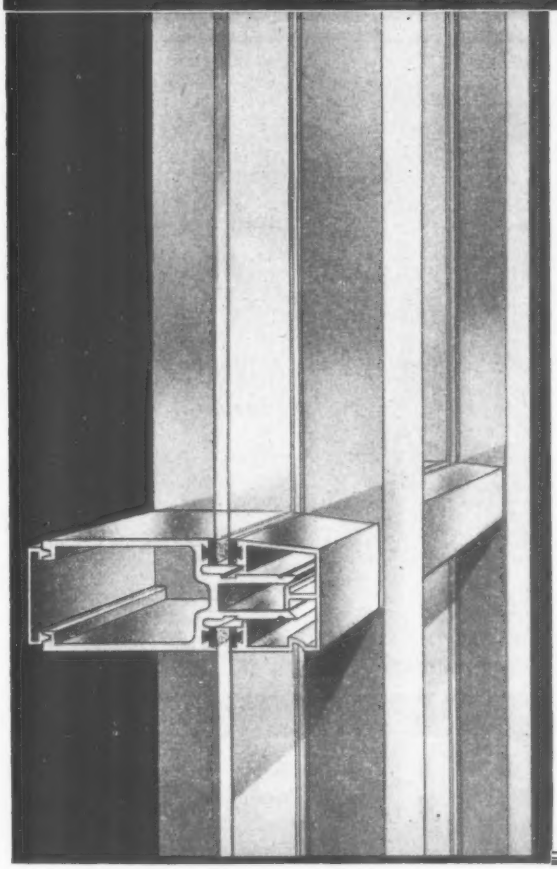


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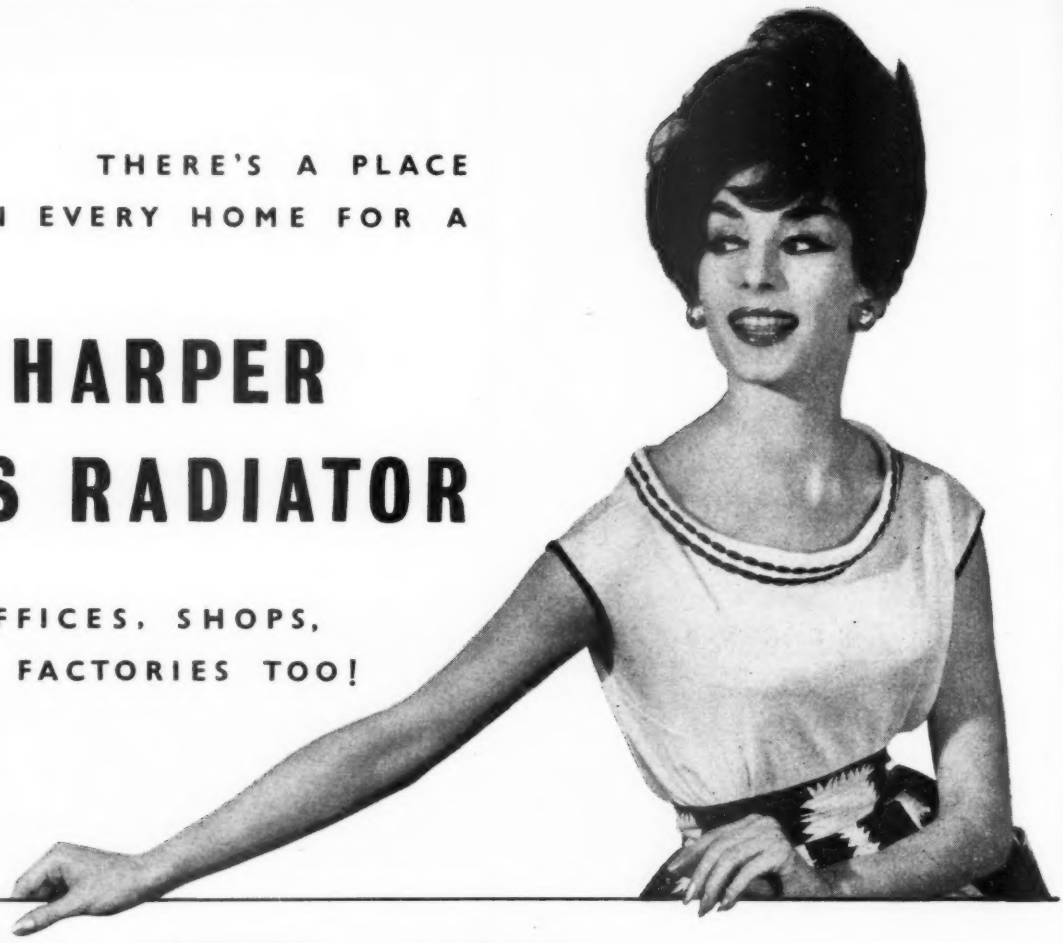
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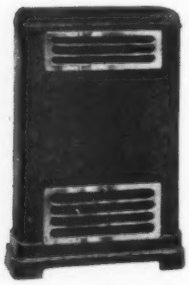
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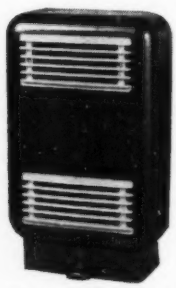




Model No. 3161. *Finish —Base and body heat resisting coinage bronze paint. Baffle vitreous enamelled. Louvres cream vitreous enamelled. Burner—cast iron with luminous bray jets.* ½*in. gas inlet, can be fitted for R.H. or L.H. feed. Governor — constant pressure. Gas Consumption—18 cu. ft. per hour at* 2½ *in. W.G. Maximum Output per hour* 8,100 *B.Th.U. at* 500 *c.v. Dimensions—Height* 29½ *in. Width* 17¾ *in. Depth* 7 *in. Weight* 42 *lb.*



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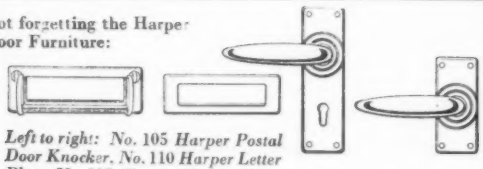


Model No. 4008. *Finish —Base and body heat resisting coinage bronze or pearl blue. Baffle vitreous enamelled. Louvres cream vitreous enamelled. Burner—Cast iron with luminous bray jets.* ½ *in. gas inlet can be fitted for R.H. or L.H. feed. Governor—Constant Pressure. Gas Consumption—*8 *cu. ft. per hour at* 2½ *in. W.G. Maximum Output per hour—*3,600 *B.Th.U. at* 500 *c.v. Dimensions—Height* 20⅜ *in. Width* 2⅜ *in. Depth* 5¾ *in.*

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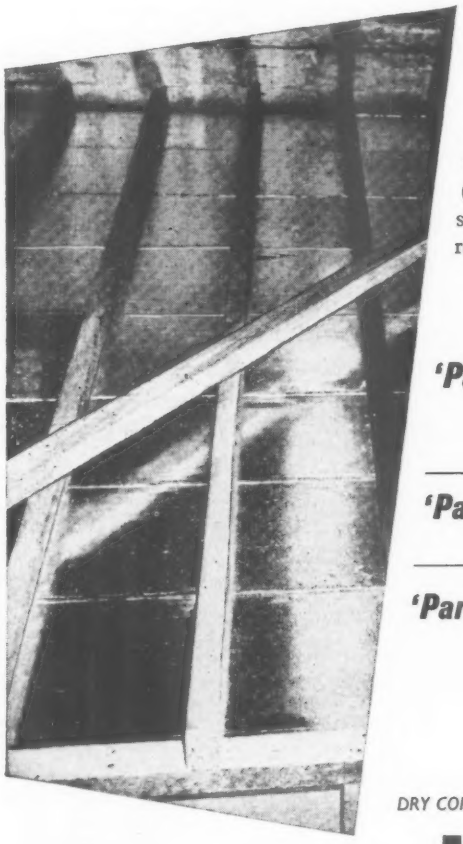
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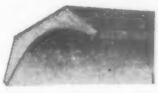
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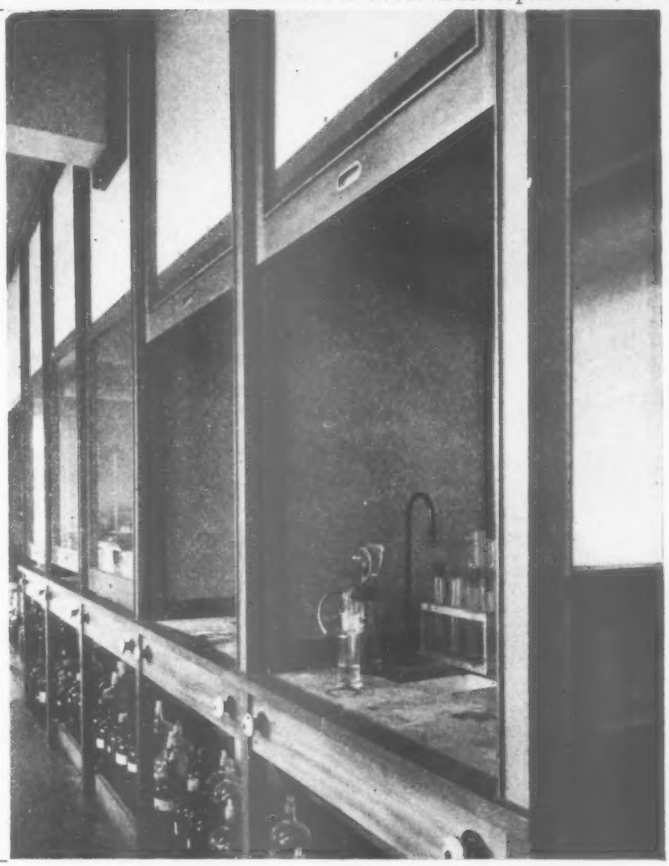
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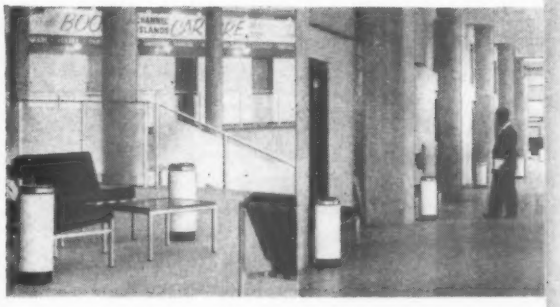
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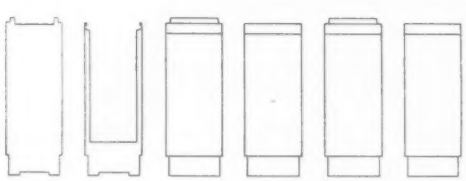




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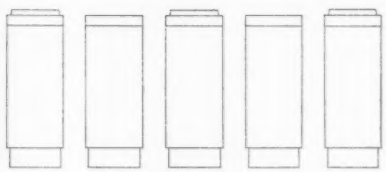
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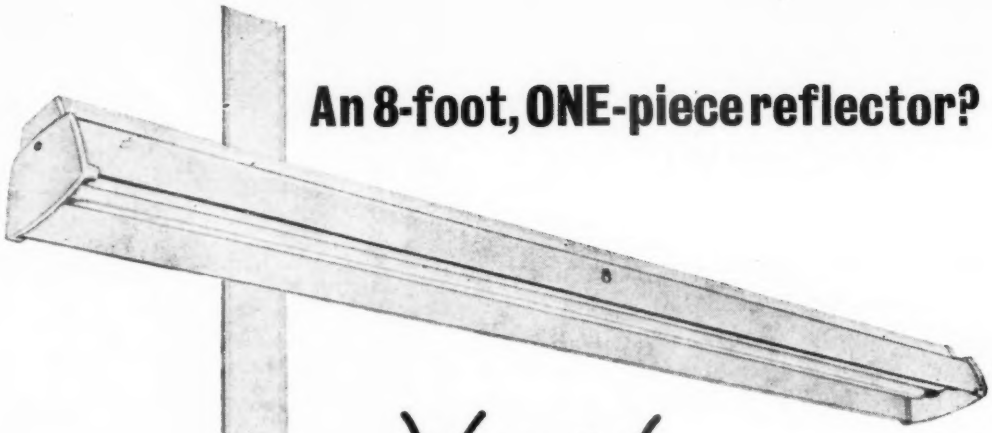
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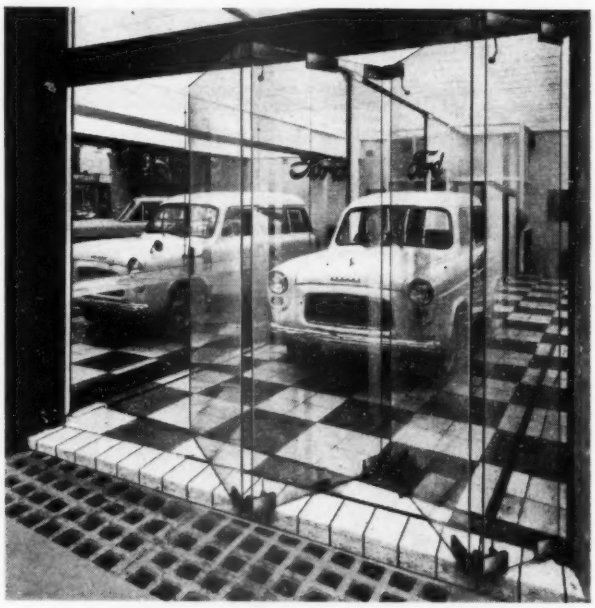
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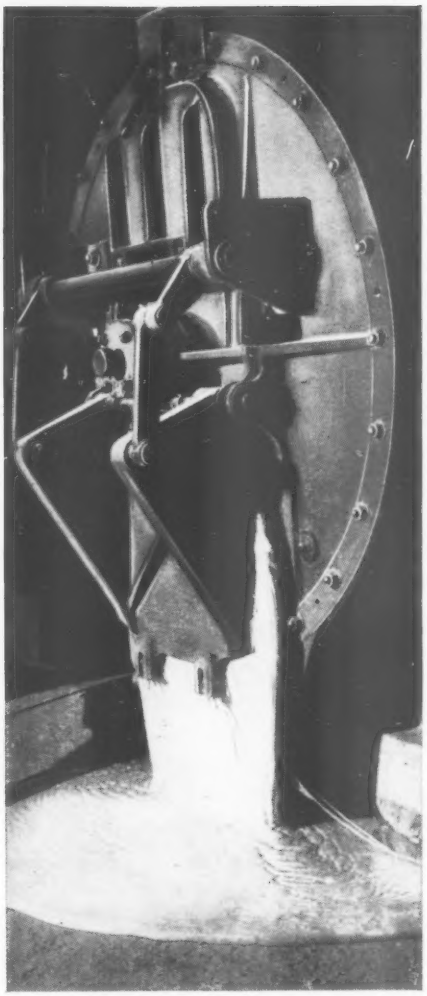
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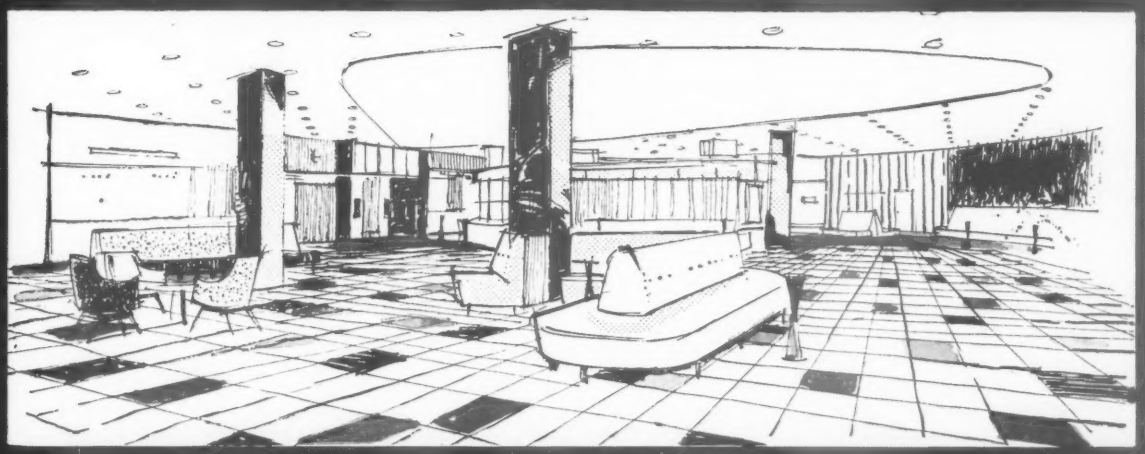


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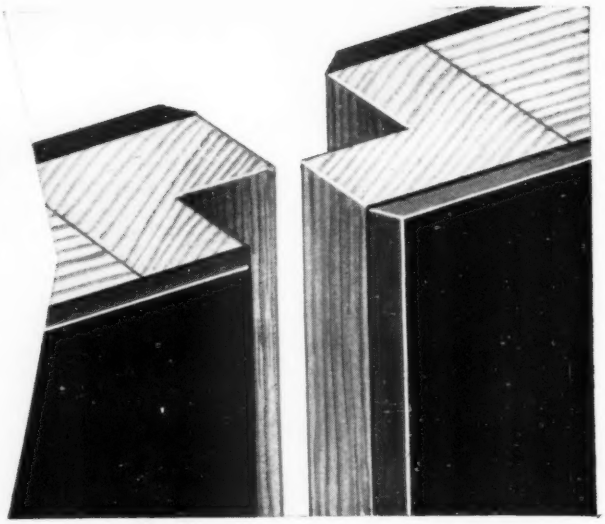


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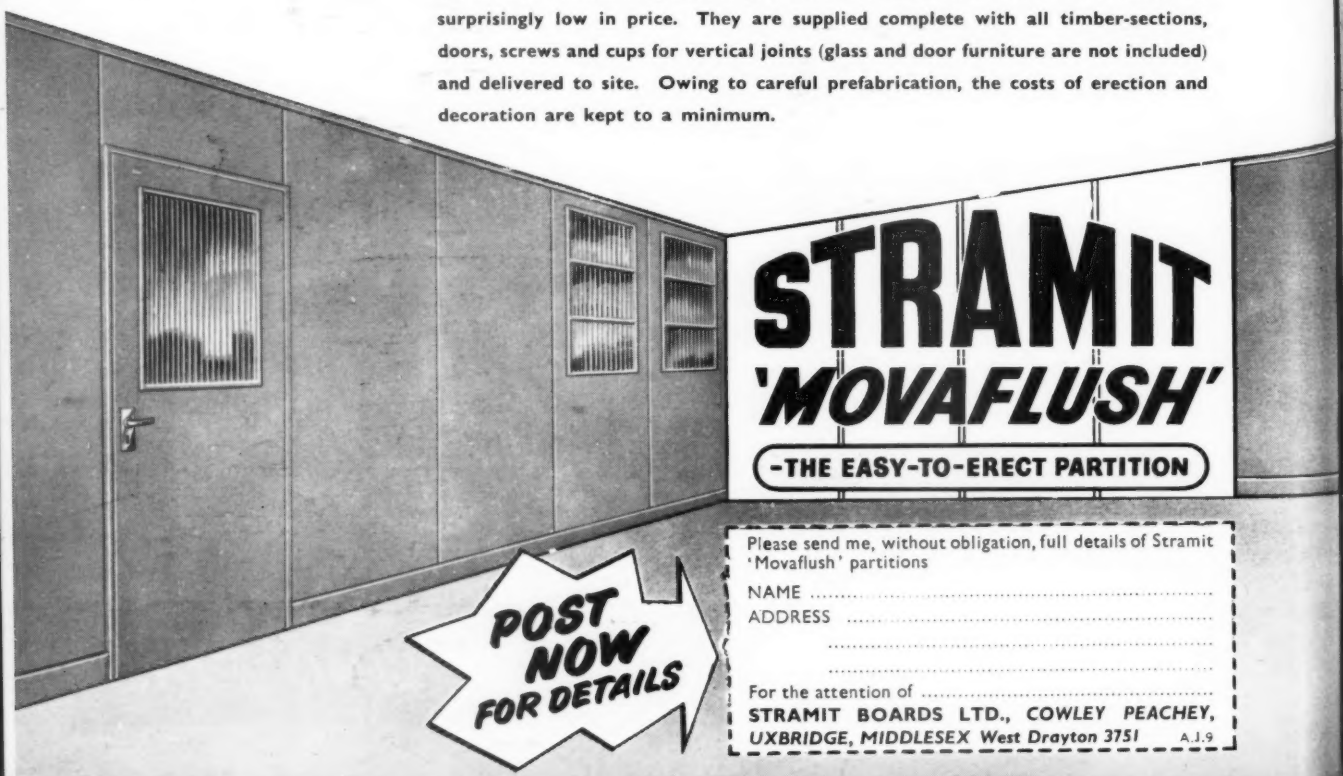
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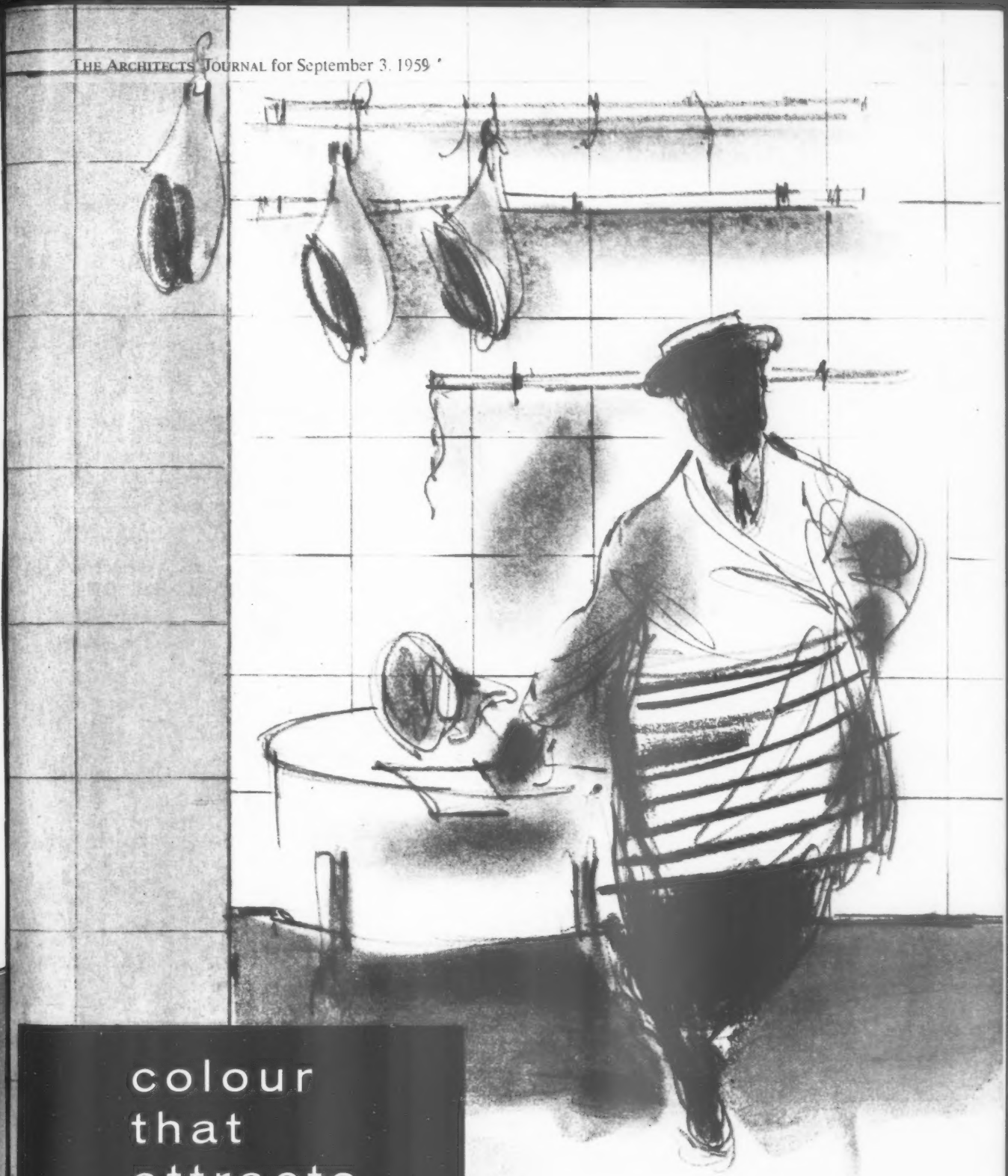
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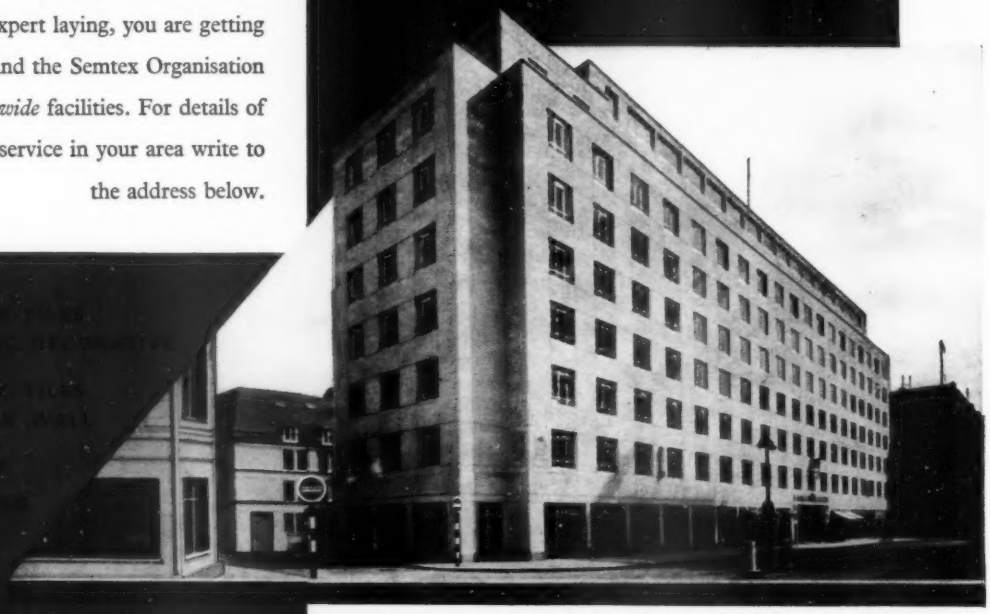
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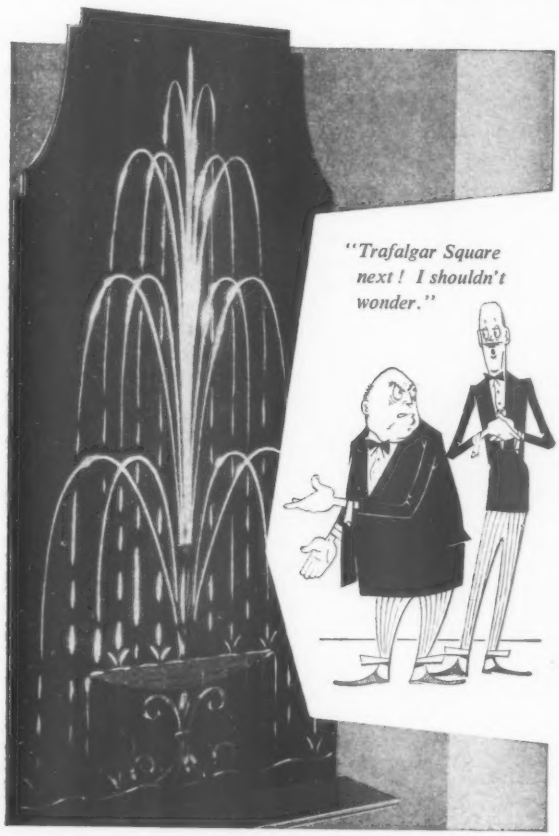
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The Architects' Journal

No. 3359 Vol. 130. September 3, 1959

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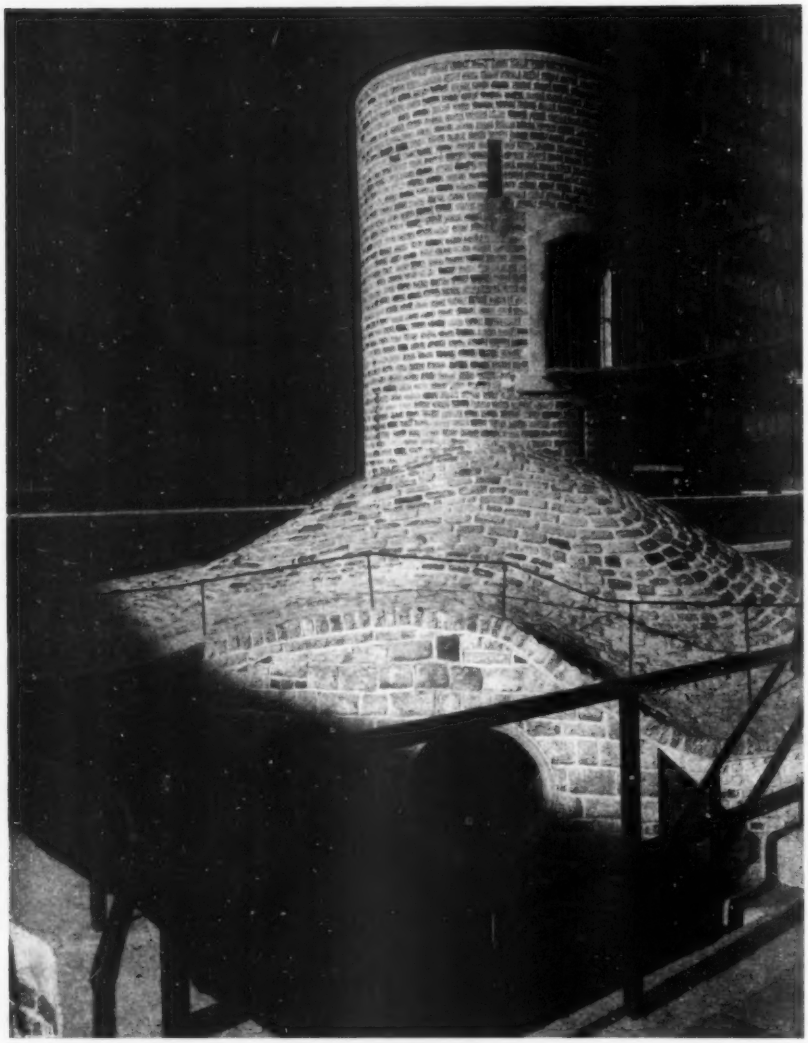
The audience, neurotically still, hangs on every word as the speaker brings his testament of faith to a close. "Until I took the course I was the world's most frustrated architect. Easements, party wall notices and the like drove me nigh crazy. Dale Carnegie taught me to disregard these things. Now sometimes my buildings fall down, but at last I have attained peace of mind: for this and a thousand other things I have to thank one man—Dale Carnegie." Amid applause, the immoderacy of which is usually reserved for Marty Wilde, another White Hope steps from the dais and proceeds to the back of the hall followed by admiring female eyes and envious male eyes or *vice versa*.

*

This wholly imaginary scene could well be said to have had its roots in the London Underground. Bored with the neo-eroticism exhibited in the Escalator Brassière Exhibition, tired glazed eyes were recently transfixed. *Around the World with Nothing On* and *The Street of Shame* seemed to merge with the white glazed brickwork. Dale Carnegie had taken over. "Be a Success—Free Demonstrations by Former Students": then followed a formidable list of mental quirks which most nice normal people possess, almost cherish, which could be eradicated for ever by Dale and his boys. Phosphorescent paint framed a photograph of the Big Man, the world's Father Figure. Looking pleasantly avuncular, he appears to be, in looks, a cross (almost a double-cross) between Harry S. Truman and the gentleman who used once to exhort everybody to invest in a Brook's Appliance.

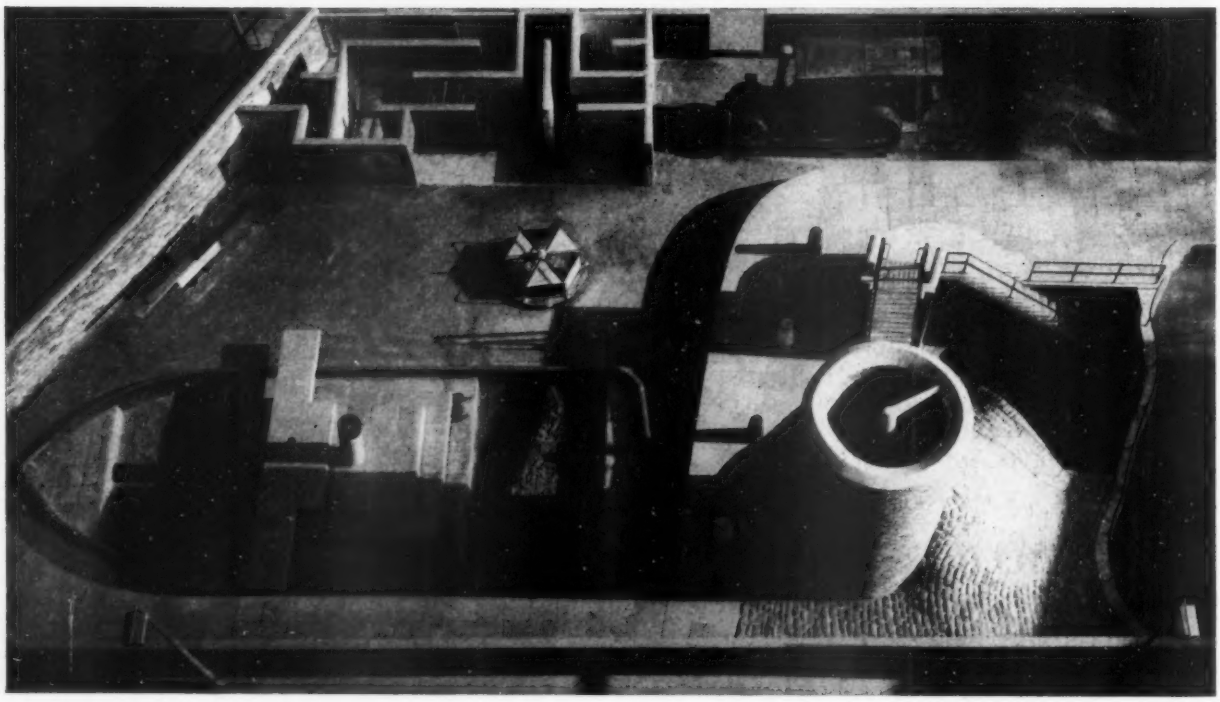
*

Dale Carnegie, something of a dim man's Freud, with Club Car and Rotarian overlays, was, of course, responsible for that classic pæan to commercial success "How to Win Friends and Influence People" which, next only to the Bible, is the world's best seller (*sic!*). Some people think it's so



Playground in Pimlico

We are indebted to Sweden for imaginative ideas in the design of children's playgrounds. The original English notion of a playground was a collection of iron equipment: swings, see-saws and roundabouts, capable of providing physical exercise, and exercising the children's imagination not at all. In countries more advanced in the understanding of children were evolved the notions first of leaving old lorries and other objects for children to play on, and then of creating large-scale play sculpture, through and over which children could climb. It is, however, undeniable that when the opportunity to design playgrounds has been presented to British architects, they have quickly learned from Scandinavian example, and in the playground shown below, at Churchill Gardens, Pimlico, designed by the brilliant architects Powell and Moya, Scandinavian ideas have not only been accepted but developed further. In addition to the sandpit-cum-ship, the maze, and the steam roller, there is an intriguing object, part tower, with spiral stair, swaying causeway, and part play sculpture, with twin tunnels penetrating the intriguingly carved base—an object which is also, in form and detail. particularly pleasing to the eye.



bad it's almost good. Nevertheless "D. C." has prospered—prospered enough to organize a "World Crusade" of enlightenment based on his theories, so that everybody—but everybody—can be a success. The "Success" has an unashamedly commercial connotation (Expense Accounts, pretty secretaries and ulcers!) and Britain is apparently the last country in the world to be visited by the Crusade. (Although this fact tends to make us appear somewhat Mediæval, we can at least boast of our fair share of Expense Accounts, pretty secretaries and ulcers.) Now that the Crusade has at last reached these shores, one can only suppose that in no time at all we will be visited by an avalanche of Carnegie's trained tycoons. Putting aside the question as to how many tycoons we can take, it is doubtful whether Dale will have things all his own way over here. The Angries—possibly less angry (but still ugly in an Anti-Ugly way)—are not yet ripe for conversion. Even in America, the spiritual home of the whole affair, the Men in the Grey Flannel Suits can be seen casting envious, overt glances from the depths of their Cadillacs at Kerouac and his fellow Beats. Of course if Dale could win Kerouac and influence *him* that would be something again—the Bible would overnight become the world's second best seller for the first time in history. Emblematic of the Crusade should be James Thurber's Little Man who, poised in the centre of a busy street unable to make up his mind which pavement to dash for, took the only way out left to him and headed straight into the onrushing phalanx of traffic. Long ago Carnegie felt he could help such people, and probably help himself to a large-sized fortune to boot.

*

The audience is still almost unnaturally attentive. The former student, styled, groomed and trubenized, suit by Kilgour and French, shoes by Lobb, tie by Sulka, expounds through an aromatic wraith of cigar smoke: "A short while ago I was an assistant in a local council office working on useless things like Slum Clearance and Old People's Housing. I took the Course and now I'm building office blocks everywhere. Ladies and Gentlemen, directly you leave this hall tonight my demolition men will start to tear it down, and there will arise in its place a mile-high office block—to my design." He passes down the hall, blandly smiling at the all-too-hysterical applause, as crazy a mixed-up adult as ever took Dale Carnegie straight.

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Exhibition of Competition Drawings. For new town hall, Milngavie. At 3, Buchanan Street, Milngavie. SEPTEMBER 3 TO 10

For Architects and Students from Overseas: Members of ACP, Chamberlin, Powell & Bon, Leonard Manasseh & Partners to illustrate and discuss their work (tickets from the AA, Museum 0974, not later than September 17). At the AA, 34-36 Bedford Square, W.C.1. 6.15 p.m. SEPTEMBER 18

The Editors

WHAT DO THE PARTIES SAY ABOUT ARCHITECTURE?

DURING the past week electoral statements on the Arts have been issued by the Conservative Political Centre (as a contribution to discussion and not as an official pronouncement) and by the Labour Party (as a policy statement for consideration at their Annual Conference this year). The Conservative statement is contained in a booklet entitled *The Challenge of Leisure*,* the Labour statement is another entitled *Leisure for Living*.† Excerpts from these are published on page 116.

Inevitably these booklets are more interesting for their party's assessments of a situation than for the concrete proposals they put forward. Also, it must be remembered that they are concerned with the whole context of leisure and that in this context, as at present understood, architecture and building have only a very marginal place. It is for this reason that the Labour Party's chapter entitled "Looking about us" is so surprising and commendable. This section, which we publish fully, is not only well informed and to the point, but must be the first occasion on which a British political party has recognised the social importance of good building.

It is precisely because it is so good on this general issue that we must express disappointment that more was not made in it of the specifically technical issue. In the end, most of such excellence as we have to show in our post-war building is due to the idea of the Development Group: to the idea of using the large, continuous building programme to re-create and set a standard for the whole building industry. Readers of *Leisure for Living* could carry away with them the notion that Government's most important duty to architecture was to commission the "best" (*i.e.* the most successful) architects. In reality Government's most important duty is to encourage her architects to use her building programmes to better, at one and the same time, the design techniques used by architects, the components made by manufacturers and the constructional methods used by contractors. Whatever views one may hold of socialisation as a general principle of government, there is no doubt that the kind of socialisation used by the architect's department of Herts CC and, later of MOE, was extraordinarily fruitful in results, and it is disconcerting that the Labour Party should have missed the chance of pointing the moral.

Since the Conservative Party does not hold so comprehensive a view of governmental responsibility, the writers of *The Challenge of Leisure* do not feel called upon to assess the social importance of architecture. The Conservative Party tends to have a passive concept of patronage, thinking in terms of money grants, and, in a desire to preserve local authority (and

* Published by the CPC, 9d.
† Published by the Labour Party, 2s.

save the Treasury), to limit this to offers of a pound of aid for every pound supplied from other sources. This kind of patronage, however useful, can never have a decisive impact. In the sphere of new building, leadership and example are more valuable. It is surely preferable to show developers how to get a better building at less cost than to help them to pay more for an inferior one.



IT WASN'T SIR ALBERT

Some of you will have wondered who advised the Labour Party committee before it drew up its remarkable policy statement on architecture. (See editorial on page 111). You may have supposed that this enlightened statement, with its erudite quotation from Eliot, was largely the work of Tom Driberg and Anthony Greenwood, two executive members on the committee who have both taken an interest in architecture. But the committee was, in fact, advised by one of the best known of our younger, middle-aged modern architects and a well-known industrial designer. We have been asked not to disclose their names.

*

Their work may be very useful even if the Labour Party loses the election, because very few Labour councils are as bright about architecture as the LCC, Coventry or Nottinghamshire. How useful it will be, when a Labour council proposes to do something outrageous, to flash the official policy in its face.

*

Labour's policy for health also contains some sensible proposals. It includes increased spending on hospital construction (from £22·5 million to £50 million a year) and a proposal for experiments in swifter and more economical building. Does this mean that Tatton-Brown's group at the Ministry of Health would be given bigger opportunities?

MOH PRUNE STATISTICS

Incidentally, when I was writing about hospitals a week or two ago I said that 70 per cent of hospital food finds its way into pig bins. I was repeating a statement by a doctor who was, it seems, referring to one particular hospital. The Ministry of Health assure me that they would be shaken by any figure above 35 per cent. That still doesn't seem very flattering to hospital cuisine.

BYE BYE LAWS

If you've ever practised architecture in Scotland you'll know that local authorities there are allowed to make their own bye-laws. This can be maddening for architects, builders and owners, because it is even possible for two different codes to be applied in one street. But things are changing. The Secretary of State has appointed a Building Standards Advisory Committee to advise on new building regulations for the country.

*

This is good news. But how will it all work out? One great difficulty will be the job of finding officials competent to interpret the new code. Under the Building (Scotland) Act, 1959, a Master of Works must be appointed by each local building authority. This man's knowledge and experience will make a difference to the success of the new regulations in his area.

*

It will be interesting to see if the Committee's work causes some soul-searching in England and Wales where the Model Bye-Laws have not overcome some authorities' zeal for going their own way.

EGG-HEADQUARTERS . . .

Corbusier has helped the Institute of Contemporary Arts to do up their Members' Room in Dover Street, for the work was done partly with the Institute's share of the profits from the Corb exhibition. The balance was made up by Knoll International, whose Planning Unit designer, Tom Lam, thought up the scheme for decoration and partial rebuilding.

*

The result is a smart and unusual interior with lavish Knoll furniture at floor level and some curious goings-on overhead. Shielded, vertical fluorescent lighting tubes are disposed at random between upper and lower wooden beams of massive dimensions. This makes a kind of inverted play-pen which frames most of the higher parts of the ceiling.

*

And now will the ICA think up a fund-raising gimmick to re-do their equally dog-eared and dowdy gallery?

. . . FOR POETIC GEYSERS

Architects with a firm grip on the history and principles of the modern movement should go and have a look at the Colla exhibition, also at the ICA (open till the end of September). Colla does to the contents of the salvage dump rather what Kurt Schwitters did to the contents of the waste paper basket. He takes such familiar iron fragments as the shade over a street lamp (see photo opposite) or the combustion chamber of a geyser and, by welding them to other iron bric-a-brac, brings out their inherent poetic quality. Every approach has its inherent dangers. Eltore Colla is unsuccessful when he employs too much blacksmith's work and at his best when his components retain their original identity.

HOW MOD IS YOUR CON?

Talking of things being what they seem—it's very sensible of the MOHLG to publish an eighteen-

penny booklet for the benefit of people befogged by officialdom. Do *you* know how much money your client can get from H.M. Government if he wants to move a w.c. to make room for a bath? This, and many other things about grants for modernisation, is explained in *New Grants for Better Homes* (HMSO). It seems that for some time local authorities have been *able* to make grants up to £400, but now you can claim *as a right* half the cost of providing a bath, w.c., hot water system, lavatory basin and food storage facilities. The maximum grant is £155.

*

The really important thing, as the book points out, is that you mustn't start any work until a grant application has been approved.

CHRONIC NEWS

The *News Chronicle* newspaper, which will be remembered for the pre-war schools' competition won by Denis Clarke Hall, has now lost its reputation, once and for all, as a disinterested critic of building. It has published a "*News Chronicle* Housing Survey." That sounds fine, but it is, in fact, a four-page splurge in favour of the products of a firm of spec builders called James Miller and Partners. The feature ends with a "James Miller House Competition." Readers are invited to set down, in order, which items in Mr. Miller's houses they value most.

*

So far, not so good. And then the *Chronicle's* housing survey throws in a report of an interview with one of the Miller staff architects. His description of the way he and his colleagues go about their work read more like an advertiser's blurb than a serious statement about design. Is the *Chronicle* so hard up for advertisement revenue that it has to do this kind of thing?

THE QUALITY OF MERSEY

The annual exhibition of students' work at Liverpool showed a lot of imagination, particularly in the thesis years. But the schemes were so elaborately presented that I can't help wondering if drawings and models are becoming ends in themselves. Many students start off in practice with a chip or two on their shoulder because they can't find building materials to match their paper fantasies or the money to build with excitement and novelty. Would British architecture be quite so unimaginative if students had to work within practical limits? My picture shows a brilliant scheme for a painters' hostel at Les Baux, Provence. But a second-year project in the exhibition, which was based on a week's survey of Conway, seemed more to the point.

An iron Colla, See "... For Poetic Geysers."





Students' scheme for a painters' hostel. See "The Quality of Mersey."

PUBLISH AND BE DAMNED!

My visit to the Building Centre on Monday for a preliminary look at the winning (and other) designs in the RIBA—*Ideal Home* small house competition was too hurried for a final judgment, particularly as the book of the winning designs had been held up by the printing dispute and was not available. My first impression was that the designs were of very variable quality: good modern, jazz modern, spec-builders' traditional and good traditional were all to be seen. But what did astonish me was the report by the assessors—Clifford Culpin, Eric Ambrose and Peter Dunham.

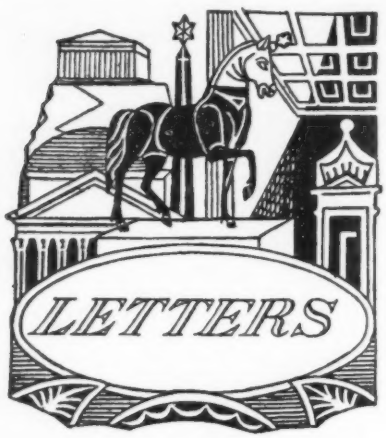
*

Why, if their report was intended for publication did they produce such a dismal thing? The report is a mere catalogue of the reasons why certain designs were *not* selected or commended, and a more damning indictment of the profession it would be hard to find: designs that contravene the byelaws, omission of garages, complicated plumbing, badly arranged kitchens, even "chimney stacks on the first floor not adequately supported on the ground floor" and "other instances of similar elementary construction defects."

*

Not a word, however, of the merits of the winning designs, or (by inference) of the advantages of employing an architect. Why concentrate on the bad designs (there were bound to be quite a lot out of 1,523 entries) and say nothing about the good? If this was the best the assessors could do it might have been better, for once, if they'd followed the RIBA's standard advice to assessors about to publish their reports—"Don't."

ASTRAGAL



R. Stewart Smith and

James M. Martin, A./A.R.I.B.A.

H. J. Montague, A.R.I.B.A.

Anything CLASP Does We Can Do Better

SIR: We have read with interest and some amazement, the article in the AJ, April 30, dealing with CLASP and the Nottinghamshire Schools.

The main function of CLASP appears to be, to find a more economical approach to school construction. Surely the first step towards such an end would be to produce an economical plan. The plans of the three schools illustrated all show lack of control and neatness, and therefore, of cost appreciation. Corridors are single loaded, entrance hall and ancillary accommodation are overgenerous in area. Paved courtyards, flower boxes, external murals, covered play areas are not really necessary to educate children. It is true, these frills enhance the appearance of the schools, but surely they are not essential to good architecture or even good schools.

There also seems to be a marked tendency for CLASP architects and British educationalists to use their opportunities for playful experiment. The informal plan of the architect and the "groupiness" of the educationalist have been played to their fullest in the States, and the system does not give the results which are customary in Britain.

Our firm has designed and built more than 25 schools in the past two years and although they have none of the luxuries and wide open spaces of the CLASP Schools, we consider them to be most satisfactory and so, also, do our clients. The Department of Education of Ontario keeps a much tighter control over expenditure than does its counterpart in Britain, and incidentally the buildings are entirely in the hands of private architects. Perhaps, this explains why Canada is racing so far ahead economically in the world today.

The idea of CLASP is an excellent one, rather like curing the ill patient, but what has made the patient ill in the first place?

R. STEWART SMITH
JAMES M. MARTIN

Ontario

THE EDITORS REPLY: It is hard to find any factual basis for the criticism Messrs. Martin and Smith level at the CLASP projects. In their own school, corridors, entrance halls and ancillary accommodation account for 32 per cent of the total area, whereas in the Newark Infants School (the nearest comparison educationally) the figure is only 29 per cent. Even in the secondary schools —which besides being on more than one floor, provide for practical rooms and laboratories requiring much more storage, the ancillaries account for only 34 per cent. It does not look, therefore, as though "lack of control and neatness" has resulted in appreciable waste of area.

If the writers were thinking of the apparently high proportion of exterior walling, this too, is deceptive. In the Canadian school it is certainly over 70 per cent of the floor area: the average of the three Notts examples is only 74 per cent. These facts merely reflect the lessons English schools architects have learned from their past 10 years experience, namely that long central corridors tend to waste area rather than save it, and that very little external wall is saved by boxing everything within a simple rectangle. There are, in any case, strong educational reasons against such rigid planning, as the MOE Bulletins have shown, just as there are held to be good educational reasons for informal teaching as opposed to "chalk and talk."

English schools could, of course, be cheaper than they are—the Notts aim and achievement has simply been to get more for less; the value to be placed on physical environment as a part of education—what are frills, in fact—seems to vary from one country to another according to the stage of development, both economic and cultural, it has reached.

Prototype House

SIR: May I comment on your remarks on my house (AJ, August 20)?

The problem, which all architects have had to face since the war, is that of rising prices, both of materials and labour. The only answer the architect has had so far, is to reduce the size of the building, or to use cheaper materials.

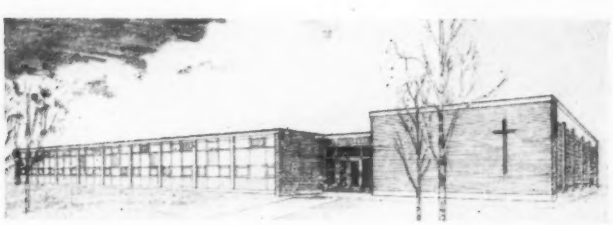
A number of manufacturers have, in co-operation with Local Authorities and Ministries, tackled the problem by standardization, hoping that, if large numbers of components are ordered, prices will be reduced. This only holds good up to a certain point, since labour costs are still the major factor in building costs. No architect, to my knowledge, in this country at least, has so far succeeded in producing a system which is cheaper than brickwork. In all humility, I should like to point out that I have done so.

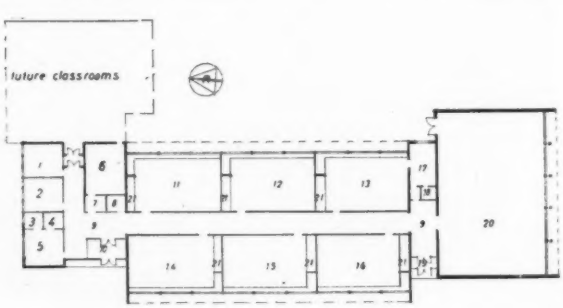
It was not an easy operation: it took me seven years. I approached 20 concrete manufacturers, who refused to take part in the operation. I approached nearly 40 of the leading building contractors, who refused to have anything to do with an experimental building. I have had town-planning refusals and have lost clients, who in despair bought houses rather than wait for an appeal. I myself had to redesign my house three times before I was allowed to buy the building site. I had town-planning refusal, but won my appeal to the Minister. It has been seven years of heartbreak and disappointments—but thanks to my pig-headedness and my family's support, I succeeded. That the very first building which went up was not an unqualified success, was only to be expected.

The Mark 2 of this system will be marketed shortly, and will cost between 30s. and 35s. per yard super. It has a U value of 0·12 BTU ft. sq. h. deg. F., as opposed to 0·28 of 11-in. brickwork. The colour range of the finish is 400 to the power of 400: I am not quite sure what the astronomical figure works out at, but I think it means that, if every building on earth were faced with this finish, every single one could have a different colour combination. If the system of building catches on reasonably well, the saving to the country will be £100,000,000 per annum.

Stanmore H. J. MONTAGUE

The school designed by R. Stewart Smith and James M. Martin.





1, girls' washroom. 2, boy's washroom. 3, teachers' washroom. 4, teachers' coatroom. 6, boiler room. 7, janitor. 8, store room. 9, corridor. 10, entrance. 11-16, classrooms. 17, principal's room. 18, wash room. 19, entrance. 20, playroom. 21, coats.

DUBLIN NEWSLETTER

By Niall Montgomery

Just before the New Year broke, the Irish Arts Council were given a cheque for £20,000 from an ex-Minister to the Holy See. The Arts Council Chairman, Doctor O Faoláin, was reported to say that it was "the most interesting and exciting thing that has happened in art for a long time" and to add that the donor wished to help "young creative artists." "He does not mean architects or the musical instrumentalist, but the purely creative person. . . ." (Not a word about that other operator on the fringe, the medical instrumentalist!)

*

Last year Irish and other architectural instrumentalists blew their wreathed horns in excited competition for certain valued posts. Two corporations with Dublin connections—Guinness, a London company which brews a dark beer here, and the Bank of Ireland, which has an office in College Green—advertised for a staff architect each. The bank job was to start at £1,500 to £2,000 p.a. Guttersnipe chatter allowed for an expense account bringing the total annual income to £6,000, or possibly £60,000, free of income tax. From the same source came the figure of 2,000, or 20,000, architects applying for each job. A cartoon in a daily paper showed College Green swarming with architects staring at the Bank's façade, and at a thin column of black smoke ascending from it. The chosen archipontifect is a Dublin man, Kenneth Kiersey, a tall, elegant holy father, who was honeymooning in Canada when he got the call, but the name of the new Guinness man hasn't yet been pulled out of the vat, pardon, hat.

*

A French divine, Saint Patrick, is credited with the definitive expulsion of snakes from Ireland. Why credited? Why snakes, dear familiars of delirium tremens? Snakeless, nevertheless, the Irish have made the twentieth century, "crawling" as the poet Spenser comments "upon their hands and knees: their legs cannot bear them." Their legs are not the only ones that cannot bear the Irish and the universal distaste will not be lessened by growing rumours of a new plague, a new temptation for that saintly, scholarly band, namely, . . . prosperity! The Rt. Honble. the Lady Poverty, last of the old Ascendancy, has gone for her tea, and throughout the land from each holy well comes a small gulping noise that sounds like "Krug!"

*

For instance, there are sheikhs clustered in Cadillacs around the Arabian sea who, when not carborne, lounge around on Irish handwoven carpets exported at £55 a square yard (f.o.q. Dublin). (The carpets are unimaginably designed.) (One says, to oneself, "Not Bokhara, B. O'Hara. . . .") So people are beginning to think of building things.

Irish conservatism is not new-fangled. Genuine seventh century rug-heads were shaken when immigrant clergymen forsook wood as a church-building material. Why build in stone? was the current Irish question. Today the attitude is more mature. Why build? they drawl; wouldn't the money be safer on deposit? Apparently, yes: they're building more banks.

*

The shadow of a twelve-storey branch is projected for College Green, despite the shaking of the Town Planning heads. (Do people not know that Dublin has already been *built*?) North of the river the meruliuschoked houses of the vanished gentry are being pulled down in favour of "vast" (four-storey) flats for the *bas peuple*. Heads are being shaken (they're probably meruliuschoked too). Near the Custom house a congeries of sweet-shops has been demolished to make way for a projected Trade Unionists' Palace, a skyscraper: one has seen photographs of the model in a newspaper montage devised to prove that the city will now be invisible. (Skyscrapers! The lace-curtain-wall Irish!) Nearby, in several side streets, will rise the new Abbey Theatre, with inset experimental theatre, all from the atelier of M. Scott. (What will the Abbey have in the experimental theatre? Operations, perhaps? Hardly plays. That would be against their house-rules.)

*

Queen Elizabeth's noble college is to have an American library in its bosky precincts (containing, perhaps, books?), but to offset that the Irish Tourist Board propose to erect enormous Casinos—skyscrapers, naturally—for the corruption and despoiling of tourists; the Board itself will have a new office block at Baggot Street bridge. (It is hardly necessary to say that it will be a skyscraper, designed by Michael Scott.)

*

In Leeson Street, the Irish Sugar Company have bought the site of and demolished a most Reformed and Rundbogenstil church: their programme—erection of skyscraper (Grotto-Kellys we calls 'em), designer to be chosen by competition. Further south, near the Horse Show Grounds, the most venerable the State Department of the USA are building a minuscule, crepuscular roundhouse, a sort of Taj Mahal (an Irish phrase meaning "Michael's house") for their Ambassador, Mr. Scott McLeod, to the plans, "which are of unique design," of Mr. John L. Johannsen. Further South again, in Dublin's southernmost *sub-urbs,* Cork, is to be built an opera house. (It is a skyscraper.) (Designer: M. Scott.)

*

"The most interesting thing about Aristotle, however," said a (less) drunken friend to me at closing time many years ago, "is that the . . . is dead!" The most interesting thing about the projects mentioned above is that they haven't been implemented.

NEWS

In Brief

The Council of the RIBA is approaching the Ministry of Housing and Local Government to see whether the Minister will consider removing private garages from the list of buildings exempted from planning control. In support of the proposal the RIBA has drawn attention to the following points: 1. The effect of exemption has often been visually disastrous. Inappropriate materials, poor siting and bad design are the most frequent results. 2. Frequently property in the vicinity of such buildings depreciates in value because of their design. 3. Local Authorities have power to take action in certain cases, but are often reluctant to do so because of the difficulties of enforcement.

Membership has just been announced of the Building Standards Advisory Committee, appointed by the Secretary of State for Scotland to advise him on the replacement of existing building bye-laws with a new set of uniform regulations under the Building (Scotland) Act, 1959. Chairman of the committee is Craig Mitchell, formerly Deputy Secretary of the Department of Health for Scotland, and the other members include: A. G. Booth, City and Water Engineer, Aberdeen; W. A. P. Jack, architect, Glasgow; W. H. Kininmonth, architect, Edinburgh. The remaining members are an industrialist, a trade unionist, a building employer, a sanitary inspector, a town clerk, a county clerk, a farmer and an assistant MOH.

The SPUR exhibition "Better Towns For Better Living" can be seen at the Odeon Cinema, Kensington High Street, from September 9 to 17, 12 a.m. to 10 p.m. (Sundays 4 to 10).

The School of Architecture, University of Toronto, makes available to suitably qualified two Graduate Assistantships ($2,500 each) for the session 1959-60. Candidates should possess a degree in architecture of an approved University and, in addition to reading for the degree of Master of Architecture, must be prepared to give such assistance in the School of Architecture as may be required by the Director. Application in triplicate, including a curriculum vitae and brief outline of the proposed subject of research, should be submitted on or before September 21, 1959, to Dr. Thomas Howarth, Director of the School of Architecture, University of Toronto, Toronto, Ontario, Canada.

The result of a competition for the design of low cost houses, sponsored by the Federal Government of the West Indies, was as follows: First ($1,000) Ian Mair, architect, Antigua; Second ($500) Gladstone F. Barker, Barbados; Third ($300) K. C. M. Evelyn, architect, Trinidad. The competition was open to West Indians, and to architects or others with present or past experience of housing in the West Indies.

Both the Conservative and the Labour Parties published documents on leisure last week. The Labour Party's "Leisure For Living" is a statement of policy to be debated at the Party conference. It includes an exceptionally interesting chapter on architecture entitled "Looking About Us," from which we publish substantial excerpts below. We also publish the salient points from the Conservative Party's "The Challenge of Leisure," a much smaller document.

THE PARTY LINES ON ARCHITECTURE

1. The Labour Party

Architecture is the most important, socially, of the visual arts: the whole atmosphere and spirit of a community can be affected by the decency or paltriness of its public buildings, and the happiness of a family enhanced by an adequate and well-designed home.

Yet it is probably true that most people hardly notice, as architecture, the buildings they pass daily, or live or work in. Wren's famous epitaph in St. Paul's, *Si monumentum requiris, circumspice* ("If you seek his memorial, look about you"), could be applied to any human generation: if our descendants apply it to us, the answer, in most parts of Britain, will be that this was a generation that didn't much care about either the beauty of its dwindling country or the seemliness of its spreading towns (and, in the planners' jargon, "conurbations"). Possibly they will quote the words of T. S. Eliot:

> Here were a decent godless people,
> Their only monument the asphalt road
> And a thousand lost golf-balls.

Public indifference, private avarice, and, in some places, municipal ignorance are largely responsible for the growth of what has been nicknamed "Subtopia". Valuable work in counter-attacking these evils has been done by Hugh Casson, Ian Nairn, Osbert Lancaster, John Betjeman, and others; and the "anti-ugly" demonstrations by students are welcome at least as an indication of awareness. The trouble is that, inevitably, they come too late.

Playing safe

This partial waste of our post-war opportunities for proper replanning and rebuilding is particularly regrettable because the statutory powers that could ensure proper planning already exist. It would, however, be impossible in an Act of Parliament to define an architecture that would worthily demonstrate the best modern materials and techniques, and the architectural profession, like others, often seems to be dominated by an "Establishment" of elderly worthies, still designing buildings in the manner favoured in their youth, to whom powerful patrons, playing safe, are apt to turn when they have large commissions to hand out.

For this is, in fact, the biggest opportunity of all for the dispensing of patronage, and, as with the other arts, the principal dispensers are the Government, the local authorities, and industry. (The Arts Council is not concerned here.)

Of these three, the local authorities have, on the whole, been by far the most courageous and forward-looking. The principal post-war achievements of British architecture—the things that foreign architects want to see first when they come here—are some of the larger council housing estates, such as the LCC's Lansbury and Roehampton developments; the New Towns such as Harlow, Peterlee, and Stevenage; and above all, perhaps, the schools built by such progressive local education authorities as the Essex, Hertfordshire, and London County Councils.

Some good things can happen by accident, but not a decent building or a well-planned town; and these architectural achievements are a direct consequence of the election in 1945 of a Government that believed in proper planning, and the purposeful use by local authorities of the powers delegated to them.

Of all the Labour Government's domestic actions, one of the most imaginative was the creation of the New Towns—a new concept in social planning, entirely different from the old-fashioned "satellite" or "dormitory" idea. It is regrettable that the Conservative Government has lately taken steps to centralize in Whitehall the hitherto largely autonomous administration of the New Towns, and when Labour is returned to power we shall reverse this process.

One of the benefits of the municipalization of rented houses (which we propose in our policy document, *Homes of the Future*) will be that dreary, decaying buildings can once again be made pleasant features of the urban landscape—as is already happening in, for example, St. Pancras and the Brandon estate in Camberwell and Southwark.

Government's failure

Of the other two main sources of architectural patronage we cannot speak so highly; and in some cases in which the Government has built badly the Labour Government may have to bear some part of the blame (though major plans which have been long maturing, and delayed by war, are difficult to abandon). This is particularly deplorable because—though architecture is no more susceptible of official directives than any other art—it is nonetheless, as the most public of the arts, the one most likely to be influenced by good example. It is the job of the Government to set this example, and we intend to see that it is set more creditably in the future than it has been in the recent past, and that so many of our major new buildings shall no longer be so poor an advertisement for the quality of Britain's ample architectural talent.

Industry's failure

But the principal offender is private industry—and here we cannot but remark that the conservatism and pretentiousness of many new office blocks in London and other cities are, we fear, symbolic of an attitude and temper of mind too prevalent at the higher levels of big business in Britain. As the Architectural Correspondent of *The Times* has observed, instancing particularly two blocks of offices: "It is puzzling how the heads of such undertakings can simultaneously apply two so different sets of values; one to the products for which they are responsible, and another to the buildings they choose to inhabit."

Strangest of all is the case of English Electric (who make superbly designed aircraft). A competition for their new offices on the Gaiety Theatre site was won by a firm of architects who submitted "forthright modern designs"—and the company rejected them all in favour of a dull, conventional, and cumbersome design which will ruin the look of the Strand island site.

There are, of course, exceptions. Several breweries, for instance, have shown an enlightened interest in modern design for their pubs; and the works which are the actual scene of production are often better than the administrative headquarters. But the general picture is depressing—most of all in the City of London, where the timidity and meanness of the City Fathers after the great fire of 1666 are echoed in our own time in dozens of vast and characterless blocks that recall the satirical epitaph on Vanbrugh, the architect of Blenheim Palace:

> Lie heavy on him, earth, for he
> Laid many a heavy load on thee.

It is worth noting that the Royal Fine Art Commission, by which the plans for such buildings are vetted, has no power to insist on their radical re-designing. All that it can do—and this it has often done—is to secure the modification of their more flagrantly objectionable features.

More progressive

We are glad to be able to give a number of examples of a more progressive outlook by publicly-owned industry. The British Transport Commission has its own design officer and panel, whose influence is already apparent in, for instance, the new stations at Banbury and Potters Bar, some of the modernized railway hotels, and the interior of new railway carriages. The Central Electricity Generating Board has, as a part-time member, the distinguished architect and town planner, Sir William Holford, who is to keep a special watch on the siting and design of power stations. The Scottish Coal Board has made an enlightened experiment in modern design and planning at the new Rothes colliery, which is linked with the New Town of Glenrothes. The design of the new airport at Gatwick is a good deal more courageous than that of London airport; and the British Overseas Airways Corporation has won high praise for the interior design of some of its new aircraft.

UGC's "Rigid Limitations"

The expansion of the universities at the

present time should give scope for the provision of fine modern buildings. We are glad that, after some unfortunate essays in archaism by the older universities, there is a good prospect that the new Churchill College at Cambridge will be a satisfactory contemporary building. It is regrettable, however, that the architects of many new university buildings should be handicapped by the University Grants Committee's rigid limitations on the scale of the buildings and the materials used. It is at least as important that architectural standards should be high at the newer universities as at Oxford and Cambridge: creditable work has already been done at Nottingham and Exeter.

Another dispenser of architectural patronage is the Church, which no longer builds so prolifically as in earlier centuries, but is at present engaged in building several cathedrals and a large number of new churches. At least one of the cathedrals—Basil Spence's at Coventry—will adorn with grace and strength one of the liveliest pieces of post-war municipal planning and rebuilding. This cathedral will also be notable for decorative work—stained glass, tapestry, and other ornaments—by such artists as John Piper and Graham Sutherland. Some of the churches on new housing estates are also good examples of modern design; and it is evident that the Church can once more provide a valuable supplementary "market" for contemporary artists.

TUC's example

As Socialists, we are proud that the most important building commissioned in modern times by any part of the Labour Movement—Congress House, the TUC headquarters in Bloomsbury—is uncompromisingly of the present age; and also that it contains a fine example of the sculpture of Sir Jacob Epstein. The architect, David Aberdeen, has recently been awarded the London Architecture Bronze Medal of the RIBA for this building of "exceptional merit".

The new headquarters of the National Union of Mineworkers in Euston Road is in agreeable contrast to the pretentious new headquarters of the National Farmers' Union in Knightsbridge; and the mineworkers are to be congratulated also on the enterprise of their South Wales members in commissioning a large and colourful mural in tiles, by a young Welsh artist, Michael Edmonds, for the pneumoconiosis unit of the Llandow Hospital near Cardiff—a centre for research into and treatment of miners' diseases which is visited by people from all over the world.

Besides encouraging contemporary architects, there is much that local authorities and others can do to preserve and recondition old buildings that should not be allowed to become derelict. In Norwich, for instance, the Civic Trust—in co-operation with the City Council and local traders—has restored to vivid beauty what was a drab and uninteresting street.

An experiment on a larger scale has been undertaken by the City Council of Stoke-on-Trent. In conjunction with the Civic Trust and the local traders' association, the square in Burslem, the mother town of the Potteries, is to be re-planned, and all the shops and business premises re-decorated. The scheme is to be completed by May, 1960, the jubilee year of the City. Mischa Black has acted as co-ordinating architect at both Norwich and Burslem.

Industrial design

Second in importance only to architecture itself is industrial design—the shape, look and fitness for its function of any object from an aircraft engine to a cigarette-lighter (or a packet of cigarettes). This has only quite recently come to be recognised as a special "subject' with its own values and imperatives.

Britain has made great advances in industrial design since the war, under the influence and guidance of the Council of Industrial Design (and its Scottish Committee) set up in 1944 by the then President of the Board of Trade, Hugh Dalton, and financed partly by industry. The Design Centre in Haymarket, London, stages a permanent, but constantly changing, show of well-designed articles of all kinds, and is visited by the public and by trade representatives from all over the world. Good design is an increasingly important factor in the export market.

A decisive impetus to this movement was given in 1951 by the Festival of Britain. This brilliant project was largely the idea of Herbert Morrison, and his tenacity carried it to success in the face of practical difficulties, carping Conservative criticism in Parliament and ridicule in sections of the press. Because Sir Gerald Barry and his colleagues gave real authority to architects and designers, the South Bank exhibition which was the Festival's main showpiece did much to raise their status in the public mind. The Design Centre itself might almost be called a by-product of the Festival.

One of the Council's most significant activities is educational. Contact is made with schools in order to stimulate—by lectures, travelling exhibitions and visits to The Design Centre—interest in good design. This is of both practical and aesthetic value: there is no reason why a housewife should put up with an inconveniently designed cooker or washing-machine—and if an object is perfectly suited to its purpose, it is usually good to look at.

This principle should be observed more widely than it yet is, in public buildings as well as in the home. As an editorial in the magazine *Design* said recently: "Ill-designed chairs are an offence in a museum housing some of the great paintings of the world." Or, as a well-known art-critic, Arthur Clutton-Brock, wrote as long ago as 1919:

> . . . the quality of art in any age depends, not upon the presence or absence of individuals of genius, but upon the attitude of the public towards art . . . At present we have neither the state of society nor the state of mind; and we can attain to both not by connoisseurship . . . but by learning the difference between good and bad workmanship and design For where the public has no sense of design in the arts of use, it will have none in the "fine arts" . . . So, I think, the professors of art at Oxford and Cambridge should be chosen, not so much for their knowledge of Greek sculpture, as for their success in furnishing their own houses.

Painting and sculpture

In other words, there is no absolute dividing-line, of antithesis, between the "fine" and the "applied" arts (or "arts of use," as Clutton-Brock called them). There is, however, still much that can be done, apart from the help provided by the Arts Council, to encourage and sustain practitioners of the "fine" arts of painting and sculpture.

More and more local authorities are commissioning works of sculpture. There is scope for a far greater contribution by sculptors to the adornment of new buildings, and we consider that the Government should set an example in this respect and that architects commissioned to design public buildings should be invited to collaborate with sculptors at an early stage of their work.

Historic buildings

In another part of this booklet we deal with some of the pleasures of the open air and the countryside; but it is appropriate here to refer briefly to one of these pleasures—the growing habit of visiting historic houses, castles, and other ancient buildings. Some of these are entirely within the care and responsibility of the Ministry of Works; some are still privately occupied, but partly maintained at the public expense; some also belong to the National Trust, which is an independent body.

Many of these houses are, in effect, domestic museums. They are a national asset, both historically and architecturally and because they help to attract tourists from overseas. Some have been or will be turned into holiday or community centres; but not all are suitable for conversion—even where this might be desirable—for these purposes or into schools, hostels, or other institutions; and a Jacobean or an Adam room looks bleak and unconvincing when equipped with hostel-type furniture and green baize notice-boards.

Most Government expenditure of this kind originated with the Finance Act of 1946: this established the National Land Fund, out of which the Treasury may reimburse the Inland Revenue the amount of money foregone when property is accepted in lieu of death duties. In consequence of the Report on Historic Houses by the Gowers Committee, appointed in 1948 by Stafford Cripps, the 1946 provision was extended by the Historic Buildings and Ancient Monuments Act, 1953, and by Sections of the 1953 and 1956 Finance Acts.

The Historic Buildings Councils set up under the 1953 Act have done much good work in preserving a valuable part of our national heritage. But we are not satisfied with the progress made. The 1958 Annual Report of the Historic Buildings Council for England emphasized that it will be obliged for the next few years to reduce and concentrate its

recommendations for financial assistance and, consequently, the number of buildings which can be helped. This is to be deplored. Already far too many of our beautiful buildings are derelict: they are irreplaceable, and the nation cannot afford to lose them. More generous help today would be an investment of inestimable value to posterity.

No powers yet exist to deal with another important aspect of this problem. Under the 1953 Act the Minister of Works can make grants only for individual buildings. The Historic Buildings Council is therefore often unable to recommend a grant to preserve houses which, although individually not of outstanding merit, together constitute an important or attractive group—for example, a row of thatched cottages or the houses in a cathedral close.

As the Council points out, "to a large part of the public—including visitors from abroad—one of the most treasured things in English architecture is the vernacular of the sixteenth to the nineteenth centuries, the period when most of our villages and smaller houses took on their present shape and character. . . . From the public point of view it is, of course, the widespread existence of the vernacular which makes 'the picture' of England." It is this picture, or "image" of England that we are determined to preserve.

2. *The Conservative Party*

The pamphlet *The Challenge of Leisure* is a contribution to discussion and not an official Party pronouncement. The opinions expressed are those of the authors, a group of four MPs and five others. The greater part of the pamphlet is devoted to Youth Service and sport. The chapter on "Promotion of the Arts" concedes that the contribution by the State is too small in relation to the needs of the arts, and says that the State should be prepared to support "an essential minimum of what is best on the arts, to consolidate successful ventures and to foster long-term planning." No specific recommendations are made, but the report suggests that special study be made into:

1. A comprehensive review of planning machinery, with an eye especially to more extensive use of qualified architectural advice at the right level.
2. Laying particular emphasis on the redevelopment of central urban areas, with proper architectural control, as decentralization programmes are nearing completion.
3. Review of the adequacy of the Historic Buildings Councils grant.
4. Provision for preserving churches of historic value which are no longer in use, possibly by a £ for £ contribution to the Historic Churches Preservation Trust.

In the field of the "living arts" the report proposes the formation of a national theatre company, for the national theatre on the South Bank, to be trained by the Old Vic: a ten-year programme to re-equip the national museums and galleries, and an emergency fund of £75,000 a year to help provincial galleries.

In the following pages we publish the remaining 16 unplaced designs in the Churchill College competition. In this article Colin Boyne, while drawing encouragement from the quality of the designs, questions the way in which the competition was run: in particular, he asks whether there is any scientific evidence to support the theory of courtyard college planning.

CHURCHILL COLLEGE

A Science College: but is its design based on scientific principles?

The Churchill College Competition was not logical from the first. The competitors for a limited competition should, under the RIBA's rules, each receive a fee, yet in this case only the four finalists got fees. The alternative was to make the competition open to everyone, and it might well have been an international competition. We were given to understand that the trustees were in such a hurry that there was no time for an open competition. Perhaps there was not time for an international competition, but in Great Britain, what 20 firms could do, so could 200. We would not necessarily have got a better answer, but at least justice would have seemed to be done. These not-so-short lists of limited competitions are invidious things. Large firms with international reputations, Yorke, Gibberd, Fry, Dawbarn and so on are obvious enough, but by what nicety of judgment is Lyons, Israel and Ellis included and Gollins, Melvin and Ward excluded? Why are Cadbury Brown and Brett on the list, and not Clarke Hall or Raglan Squire or Manasseh? Clearly the list was arbitrarily chosen, the prime purpose, presumably, being to include sufficient architects in whom the trustees and assessors had confidence, but not so large a number that the assessing delayed matters unduly.

It would have been greatly preferable if the competition had been open to everyone, and, to give more time for the assessors, the drawings for the first stage might have been still further limited in number to site layout and block plan, and elevations and plan of one typical residential block and the hall, for instance. (Though, as at least one competitor drew his designs to $\frac{1}{16}$ scale and reduced them photographically to the required $\frac{1}{32}$ scale, it seems that architects are devils for punishment.) A perspective drawn in line only would show much more than many of the elevational drawings.

The fact that this competition broke the RIBA requirement that competitors in a limited competition should be paid, sadly indicates the weakness of the profession. Even so august a person as Sir Winston Churchill, a trustee of Churchill College, should be

prepared to stand by the rules. It could be described as a friendly gesture to waive the rules on such an important occasion. In fact the trustees must have guessed that they could browbeat the RIBA by threatening "a competition on our terms or no competition at all."

If the competition rules had to be broken it would have been preferable to have seen them broken another way: was there any valid reason in this limited competition for preserving anonymity? A name alone on a sheet of drawings might have too much influence. But if the architect had had to describe his scheme and answer questions from the assessors, would that have led to the abuse of the competition system? Anonymity, incidentally, becomes rather farcical when the competitors' reports contain several broad hints to let any quick-witted assessor guess the author, and one competitor apparently blithely stamped his name on the back of every sheet.

Then, after a general criticism of the first stage designs, all of which could have been inspected by all the competitors, the assessors could have nominated a few to continue in the second stage, for a fee. Any other first stage competitor who, after hearing the assessors' comments on his scheme and seeing his rivals' work, thought he could do better, could also have been free to enter the second stage, but would only have got a fee if he had won. Architects would have tended to steal bright ideas from each other, which in student days was considered reprehensible. But this would not have distressed the client, who would probably have profited by getting a better design. It would also have meant that if the assessor and client had decided against one particular aspect of design (in the Churchill College competition, for instance, lift accommodation was obviously not wanted, although not specifically forbidden in the competition conditions), the competitor would have had an opportunity, if he had confidence in his design, to make alterations accordingly and resubmit it in the final stage.

What was the subject of the competition? The trustees of Churchill College have in mind "a College to house 500 fellows, graduate students and undergraduate students . . . in bed-sitting rooms . . . and the traditional Cambridge pattern of sets . . . a Hall to seat 350 with a high table or tables for at least 60 . . . Senior and Junior Combination Rooms, Music and Assembly Rooms and a Chapel. . . . There will be a Library and Reading Room . . . Offices, Master's and Tutor's Lodge, Guest Rooms, Playing Fields, Sports Pavilion and Squash Courts. . . ." The College is to have a 70 per cent. bias towards science and technology in its membership. One in three of its students will be post-graduate. The total membership of the College will be 600. Of these 100, it is presumed, will be married, and will mostly live outside, but flats are to be provided for 20. "The new buildings, as a piece of architecture must maintain these standards (of Cambridge Colleges) . . . they should be designed as buildings for their own time and place." The site is of over 40 acres on the Madingley Road, east of the University Observatory. The cost target is £1,100,000.

The conditions describe what a Cambridge College traditionally is: a self-contained entity, residential accommodation "arranged around courts and related to major rooms like Hall, Chapel, etc. The characteristic form of residential accommodation has been based on staircase access, but other forms could certainly be considered." This might be thought a hint, but in fact it probably is not. None of the four finalists had lifts, though five of the entrants to the first stage relied on them. The only alternative to lifts and stairs is, presumably, ramps. No one attempted ramps. Ziggurats and the Guggenheim museum offer no solution, even combined with stairs or lifts. Because the size of the college is great, many architects felt it was necessary to design high blocks of residential accommodation. If lifts were not employed, tight planning around half-landings was used and occasionally high-level access routes, though none so efficiently as Richard Sheppard used for his Imperial College hostel.

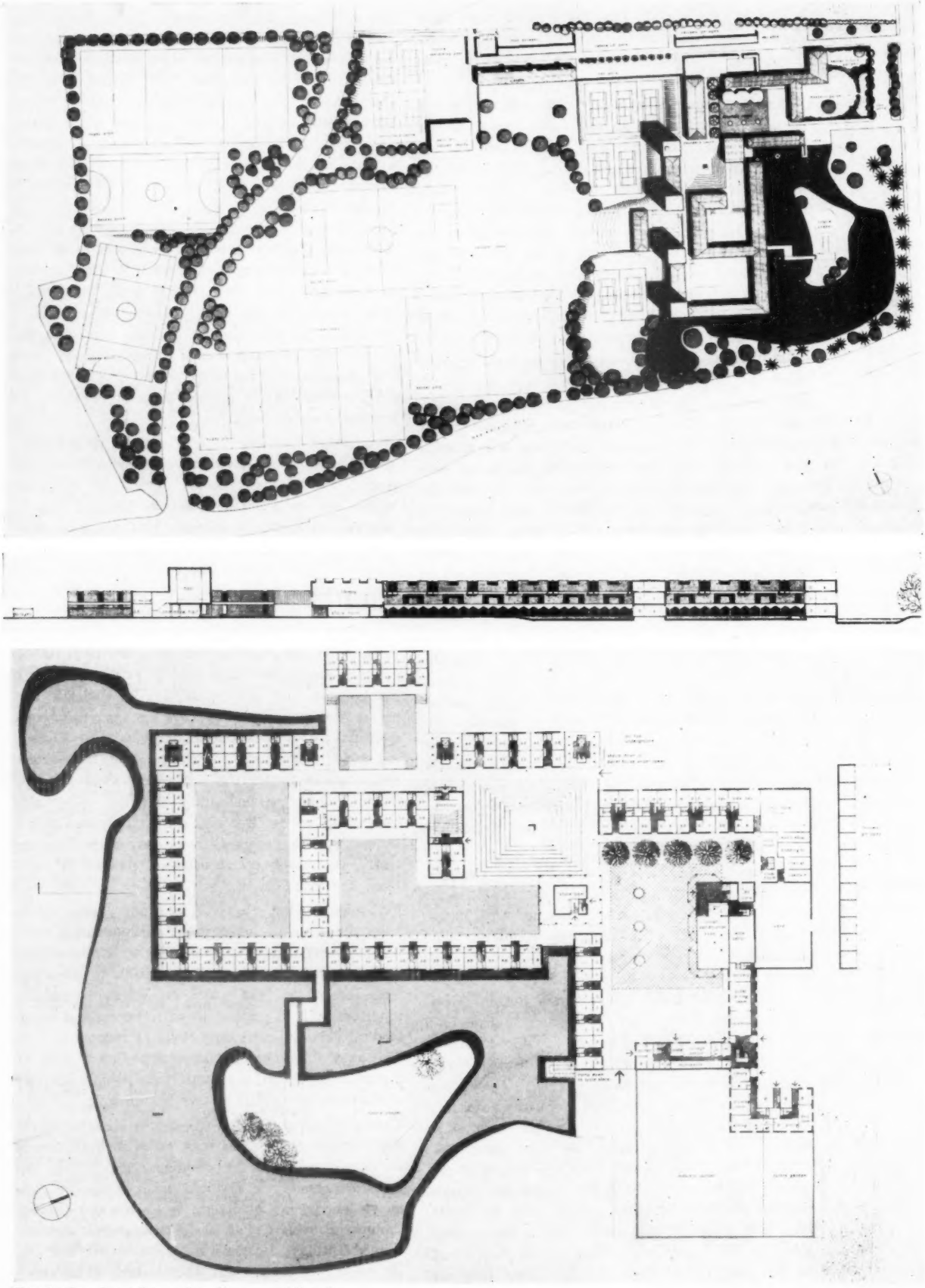
Most people seem to think of colleges as essentially inward-looking, and therefore contemplative and corporate, but this only occurs at Oxford and Cambridge and to a small extent in Durham and St. Andrews. Is there any evidence that courtyard planning improves the life and efficiency of Cambridge students? There is no evidence one way or the other —or at least it has not been offered to architects. It is tantalizing that on a fundamental issue of this kind —perhaps the main functional consideration of the programme—no evidence can be shown to prove the case for and against courtyard plans for colleges. If psychologists and sociologists have no evidence, they are at least equipped to procure the answers to some questions about the value of the courtyard. Does it aid study, abet a sense of belonging? Or does it tend to cut the inhabitants off from reality, lead to introversion, undue specialization and the opinionated man? This college is for scientists. It is odd that it should not be designed from truly scientific principles—but merely by an arbitrary mixture of sentiment and intuition.

Psychologists and physicists are now beginning to learn the effect of the physical attributes of a room on the behaviour of the occupants. Unfortunately their knowledge is not readily available to the architect. This is the field where the words "functional requirements" as applied to environment and architectural development hardly begin to exist.

This may sound unduly depressing. But a study of the following 16 projects, unfortunately only sketchily reproduced, is, in fact, rather encouraging.

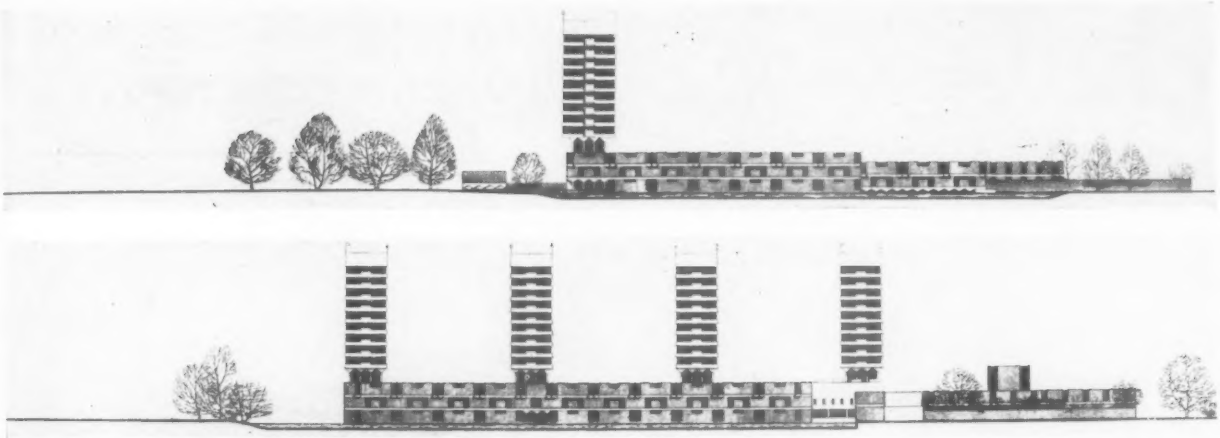
The outstanding feature of all the designs is the meticulous care that has been taken in the majority of cases to dispose the buildings agreeably in the landscape. Only one architect takes refuge in symmetry. The layouts of designs by Casson and Conder; Cadbury Brown; Cubitt; the Architects' Co-Partnership and Robert Matthew and Johnson Marshall are all models of their kind. They would all create a pleasing environment.

CHURCHILL COLLEGE COMPETITION: DESIGN BY



Top, site plan. Centre, long section. Above, ground floor plan.

THE ARCHITECTS' CO-PARTNERSHIP



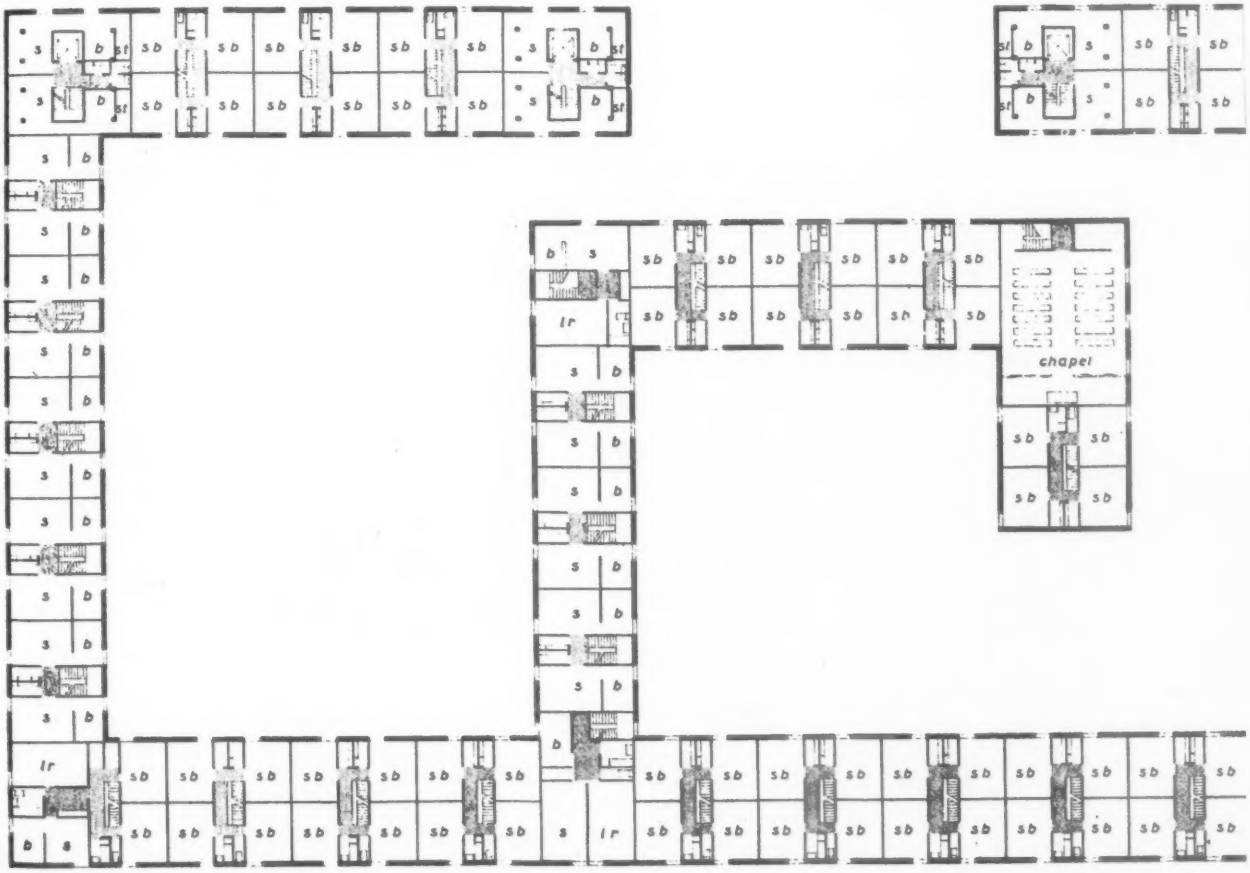
Top, south elevation. Above, east elevation. Below, part ground floor plan.

FROM THE ARCHITECTS' REPORT: the bulk of the residential accommodation is arranged in a number of three-storey buildings with staircase access which form a series of interconnected courts and from which rise four towers of ten storeys with lift access. The three-storey buildings contain about 70 per cent of the student accommodation and the towers the remaining 30 per cent. It is considered that the customary practice of enclosing courts with buildings of relatively low scale provides a manner of living in college which is hard to improve upon. By the combination of this pattern with towers which are approached from courts even a college of this size can be relatively compact on the ground. However there are other reasons, no less important, for the towers.

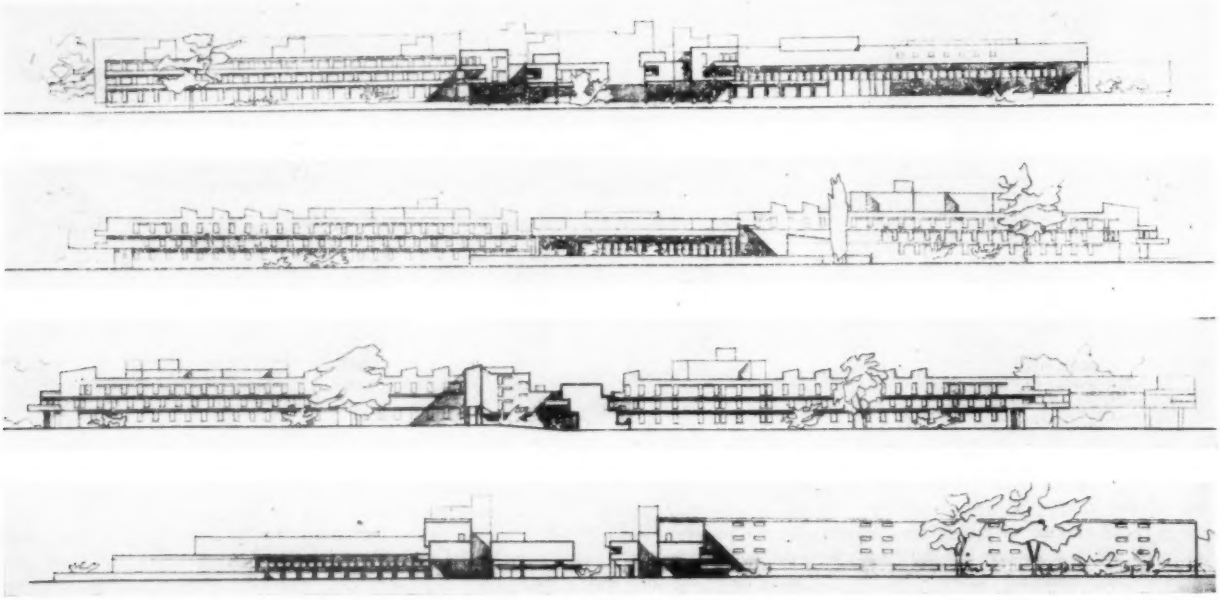
The association of a horizontal domestic scale on the ground with a spiky verticality of pinnacles against on open sky is a characteristic of Cambridge that may appropriately be translated into 20th century terms. Further, the site is far enough away from the centre of Cambridge for a visual link to be important and the towers will be visible from the town and will offer a prospect of the whole university. Lastly the towers make a clear fence line against the sky, signifying, it may be hoped, the western limit of the university.

Each three-storey building contains either sets or study bedrooms and the two types are mixed around each court. In the towers each floor contains both sets and study-bedrooms. Every unit of student accommodation, with the exception of one so far recalcitrant study bedroom, has been arranged so that it can receive a reasonable amount of sunshine.

Main access is from Storeys Way. It has been thought advisable to have a covered shelter for all bicycles. This is approached down a ramp immediately south of the porter's lodge. The shelter extends beneath the whole length of the building which forms the south side of the fountain court.



CHURCHILL COLLEGE COMPETITION : DESIGN BY

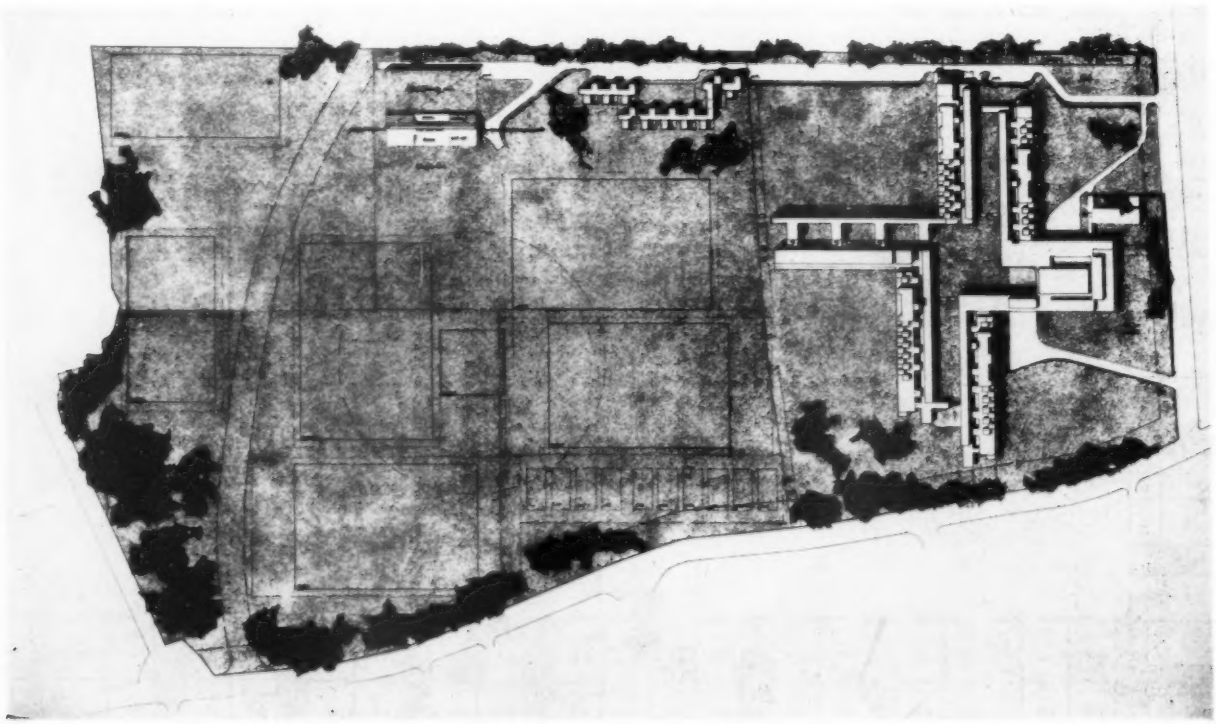


Top to bottom, south, east, west and north elevations.

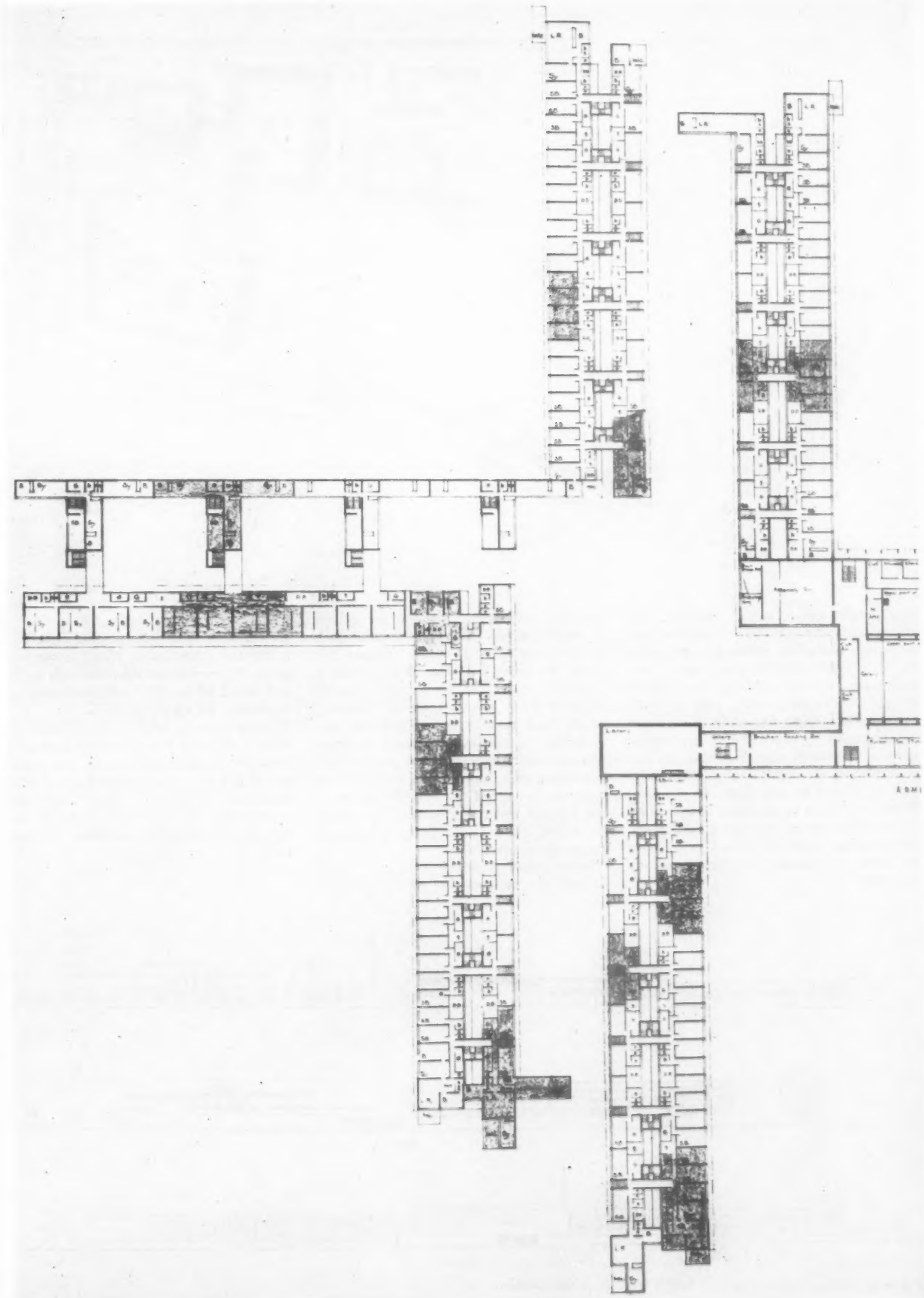
FROM THE ARCHITECTS' REPORT: the dominant theme of the design is concerned with the comfort, convenience and spiritual well being of the individual, of the group and of the corporate whole. This has been expressed by the spatial organisation of the central open court created by low buildings at the junction of the three residential malls. These malls, inward looking in character, form natural groups within the whole. They encourage a sense of belonging and make the college easy to move around in and understand. Thereafter the variety of plans and sections of individual rooms and sets further develops this sense of identity. The external image of low buildings set in grassland discloses these qualities. It takes possession of the site in a visually coherent manner, which does not inhibit future growths.

The actual technique of building is the characteristic which will most distinguish a college built today from that of the past. It is proposed to exploit to the full *in-situ* concrete with precast elements, brick and glass.

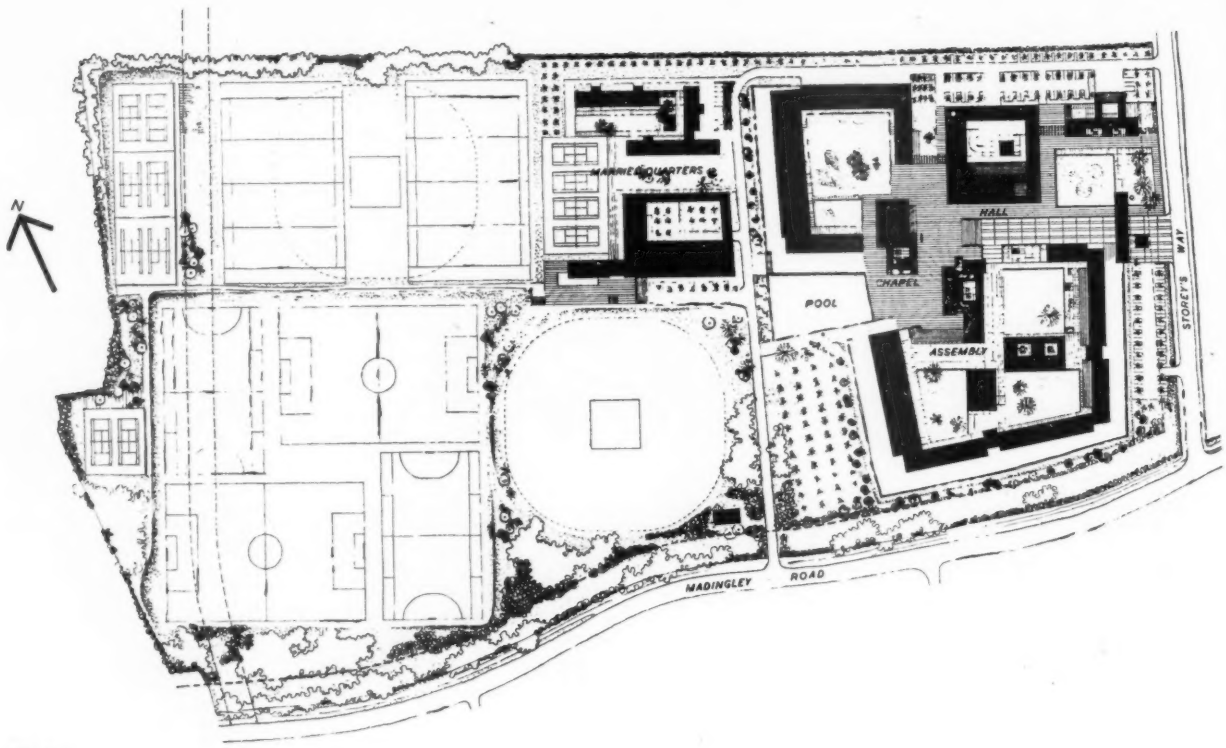
Below, site plan. Opposite page, part first floor plan.



FRY, DREW, DRAKE AND LASDUN



CHURCHILL COLLEGE COMPETITION: DESIGN BY



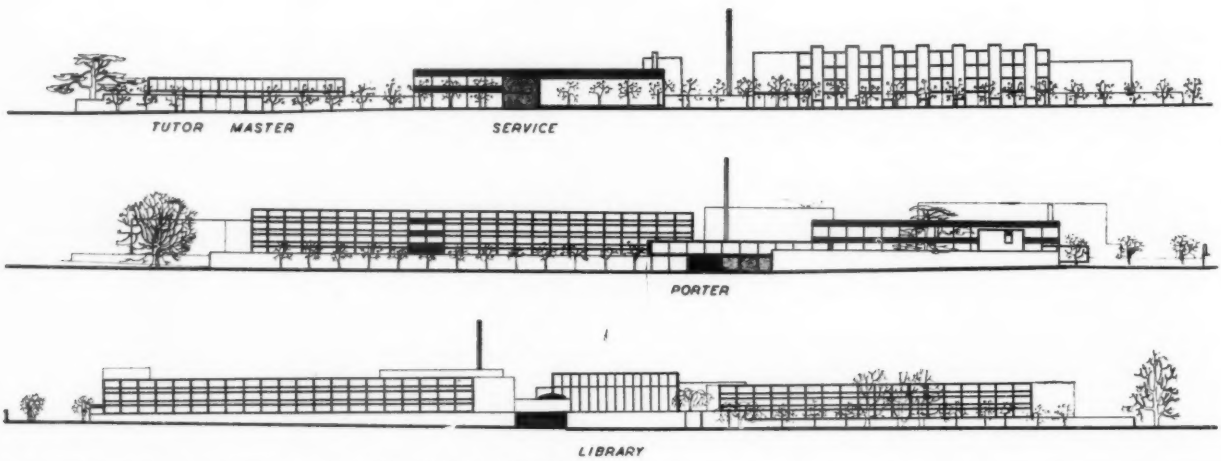
Site plan.

FROM THE ARCHITECTS' REPORT: the college is planned in traditional quadrangular form with residential rooms grouped round the main buildings. The quadrangles, however, have a continuous visual flow and the main buildings are readily seen from all parts of the college. The sense of enclosure is maintained by the boundary wall inside the site boundaries with one main entrance controlled at the porter's lodge. The enclosure is broken at one point on the west boundary to give visual access to the centre of the college group from the playing fields. At this point a pond is formed to maintain the sense of boundary without obstructing the view.

The relatively slight cross fall on the site is emphasised by creating two main levels at 52 ft. and 42 ft. The main buildings rise above the upper level but the hall group is accessible from both levels. This arrangement of levels gives a sense of "podium" to the main building and at the same time gives the opportunity to provide an upper terrace running the length of the hall and continuing as an upper walk past the main entrance and round the Fellows' garden to the Master's and tutors' lodges. This terrace is arcaded below in the form of a cloister round the garden.

The traditional principle of staircase access is used for most of the rooms, generally with two rooms per landing. A corridor at ground level gives wet weather circulation round the quadrangles. Within economical limits, rooms vary considerably both in size and shape. All sets and study bedrooms face south, east or west.

Building materials will be mainly brick and stone with some use of timber, high-grade steel and anodized aluminium. The library and chapel groups are to be mainly of stone. Residential buildings of cross wall brick construction. The main hall is to be steel framed with anodized aluminium windows, brick panels and copper roofs.



Top, north elevation. Centre, elevation to Storey's Way. Above, west elevation.

ROBERT MATTHEW AND JOHNSON MARSHALL



Ground floor plan.

CHURCHILL COLLEGE COMPETITION: DESIGN BY

FROM THE ARCHITECTS' REPORT: the outlook from the site is uninteresting at ground level, except westwards over the playing fields; but from higher up there will be a view of the whole Cambridge skyline. The buildings are, therefore, of two kinds and heights (corresponding to two kinds of person).

First, low blocks arranged in a pattern of inward-looking courts, and second, higher blocks arranged to shelter the whole group from the colder directions and to look either westwards to open country or south-eastwards over the parterre of low blocks to the Cambridge skyline.

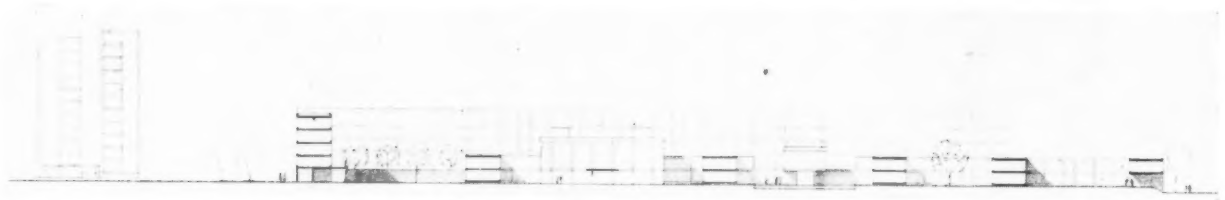
All the residential blocks are planned for either N-S or E-W orientation and disposed accordingly.

Because there seems no reason to introduce the suburban environment or the noise of Madingley Road into the College, the whole complex of buildings stands on a podium nine foot high at its S.E. corner diminishing to nil at its N.W. The rim of the podium is fully walled in by buildings except at points of entry through it or up it, and there is only one vista straight across it, the one from the Fellow's Entrance closed by the tower block at its far end.

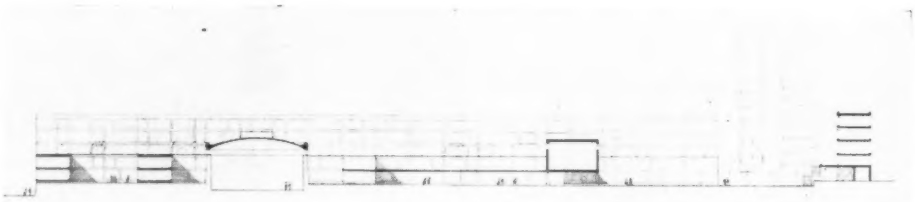
Preliminary checks suggest that this podium will pay for itself by avoiding highly complex excavations for storage and for services, to which there will always be access without opening up. It will nowhere have to carry heavy vehicular traffic.

Buildings of communal use have all been placed at the centre of gravity of the college's population, in positions where the dominate spaces are designed to set them off.

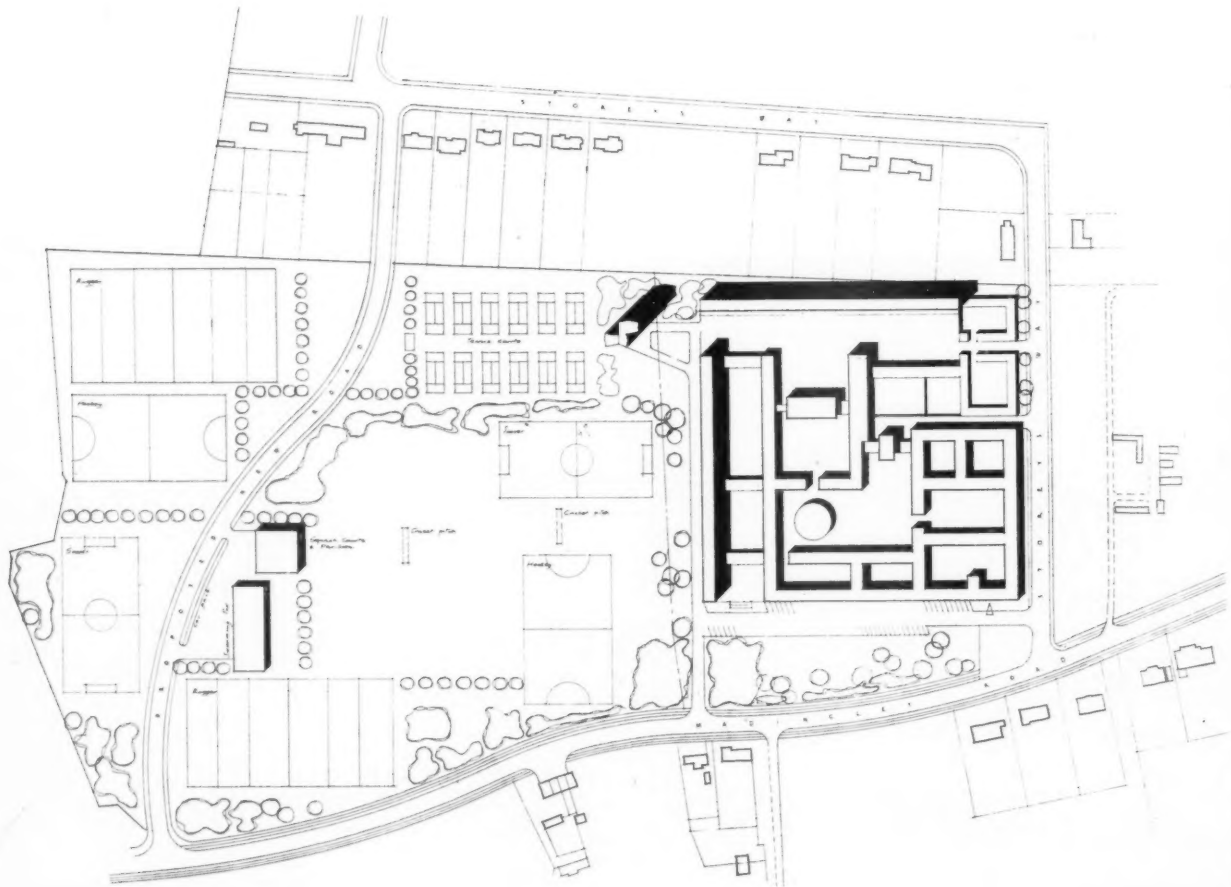
For economy and visual consistency the whole College is planned on a 12-ft. grid.



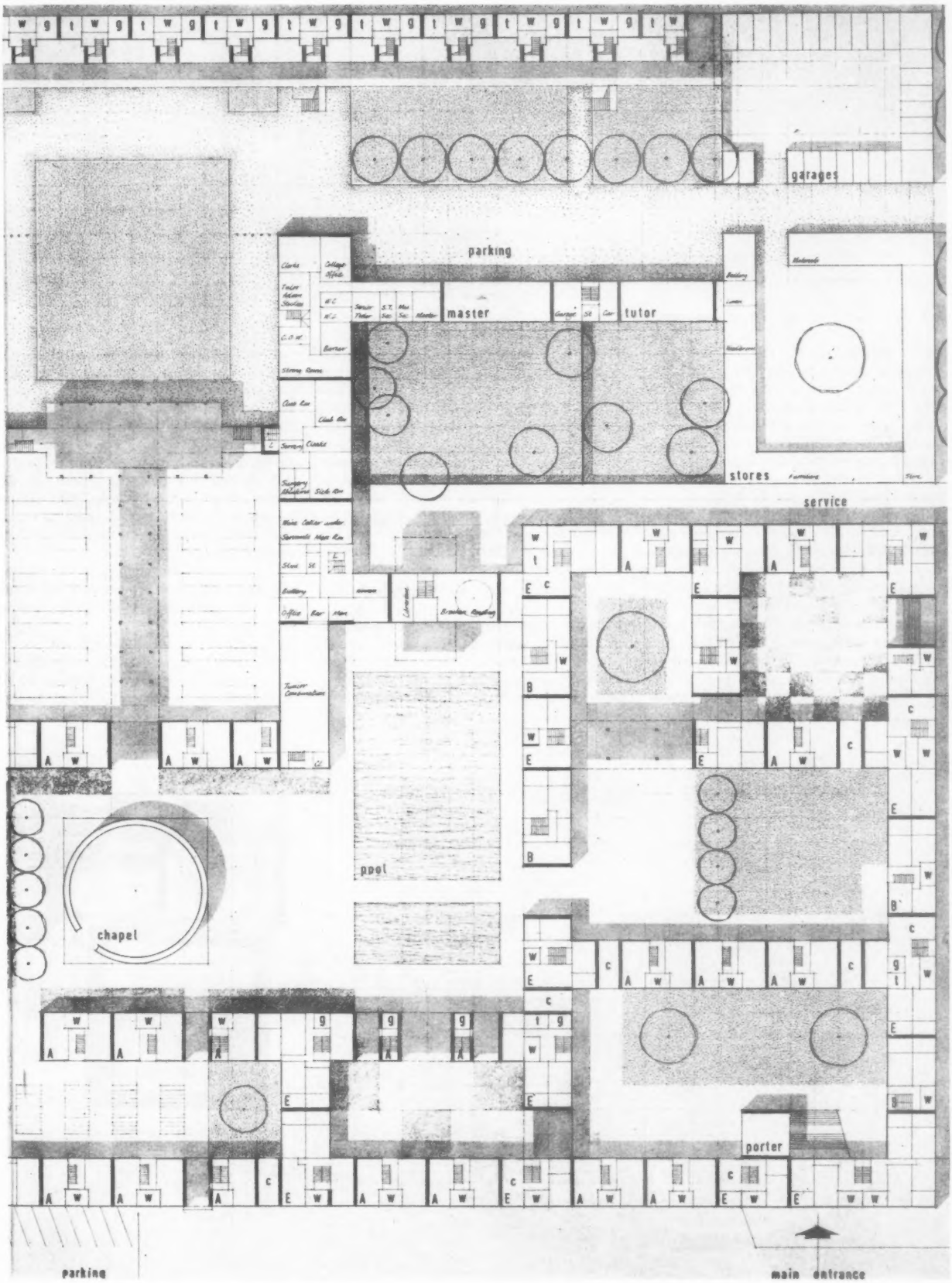
Above, west-east sectional elevation.
Right, north-south sectional elevation.



Below, site plan.

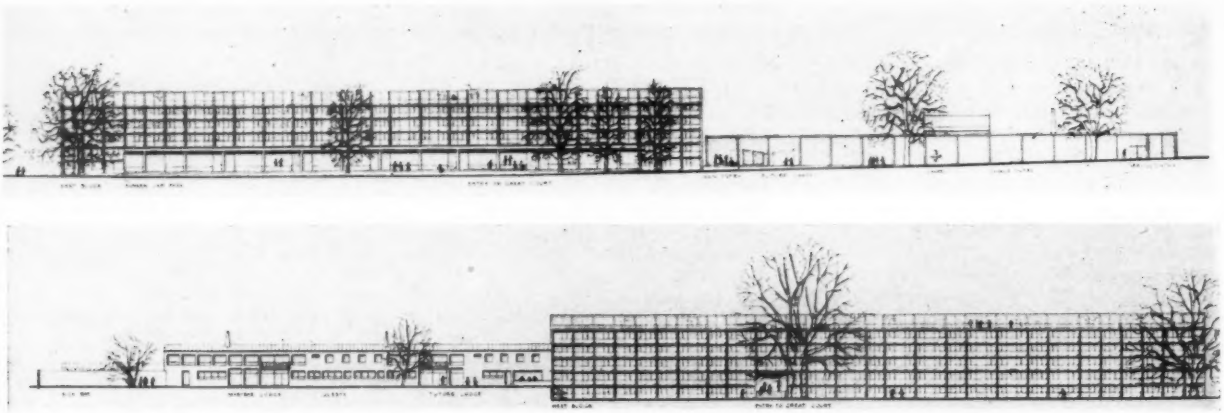


LIONEL BRETT



Part ground floor plan.

CHURCHILL COLLEGE COMPETITION: DESIGN BY



Top, elevation to Storey's Way. Above, west elevation.

FROM THE ARCHITECTS' REPORT: the college is planned round three main courts where no cars or cycles are allowed, in the true and pleasant tradition. The Great Court holds all the 500 college residents, the Hall Court, the dining hall, combination rooms and guest reception rooms, Master's and tutors' lodges, administration offices and the library. Chapel Court is at the entrance with the porter's lodge; chapel and assembly room, and is also the site for the future chapel. All road access is limited to Storeys Way and there are virtually no further internal roads planned on the site except to the service court on the north.

To the Great Court blocks, staircase access is used as being more attractive than long corridors. By taking advantage of the natural fall of the site, all the staircases to studies are entered half a floor above the lowest floor, thereby serving five floors of rooms with a climb of only 3½ floors. This is less than in many existing Cambridge colleges. All the staircases are taken up to roof level and are joined by a covered way to shorten journeys between the studies on upper floors thus making the roof an important addition to the circulation. The roof is also used as a pleasant paved garden through which the covered way passes, linked by pergolas. This arrangement gains height and importance for the Great Court blocks; it also provides places for sitting out of doors quickly accessible from all rooms, none of which faces north.

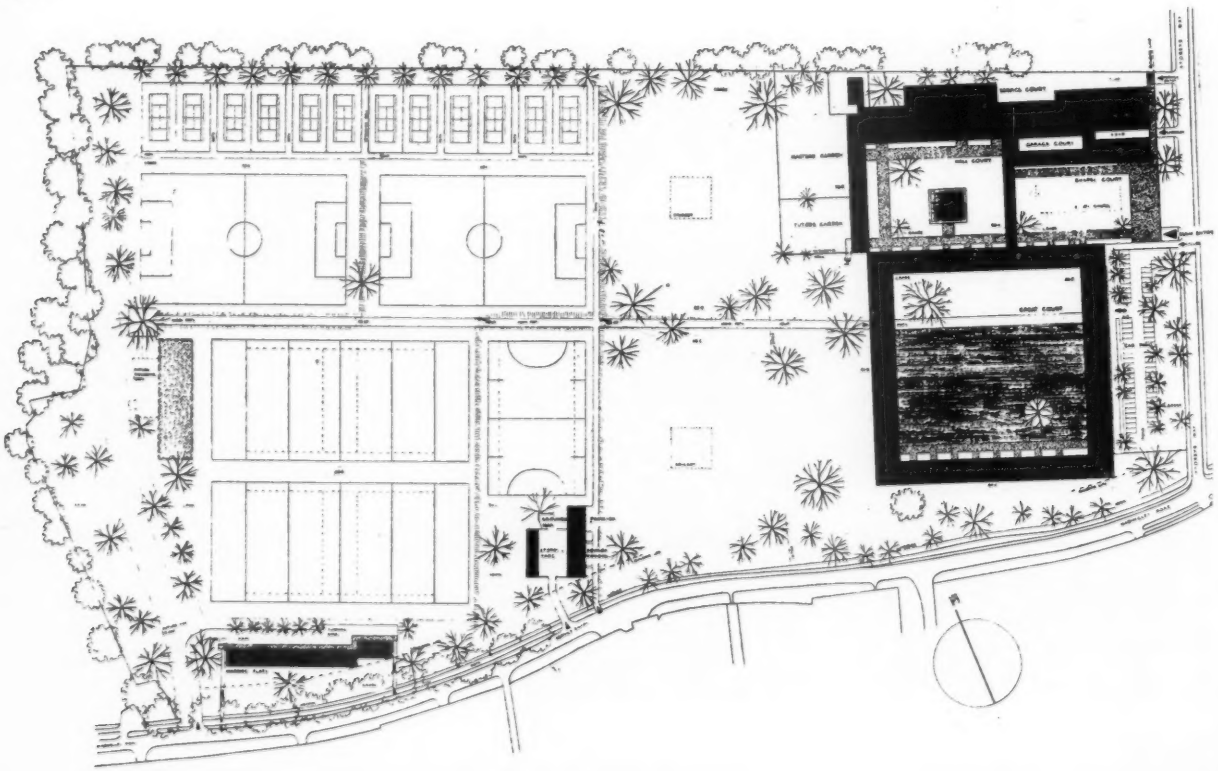
The hall, chapel and Master's courts are planned on one and two floors around courts linked by covered ways. The various roofs are designed to look attractive when seen from the higher Great Court roof garden. The Master's and Tutors' lodges are in the most secluded position of all and they are lightly shielded from the hall court by a covered way and narrow garden.

The dining hall and combination rooms are not raised above the general roof line, giving unity to the whole court in which they are and so as not to compete with the library block which forms the central feature of the hall court. A frieze of sculptured stone unites all the rooms and their entrance halls.

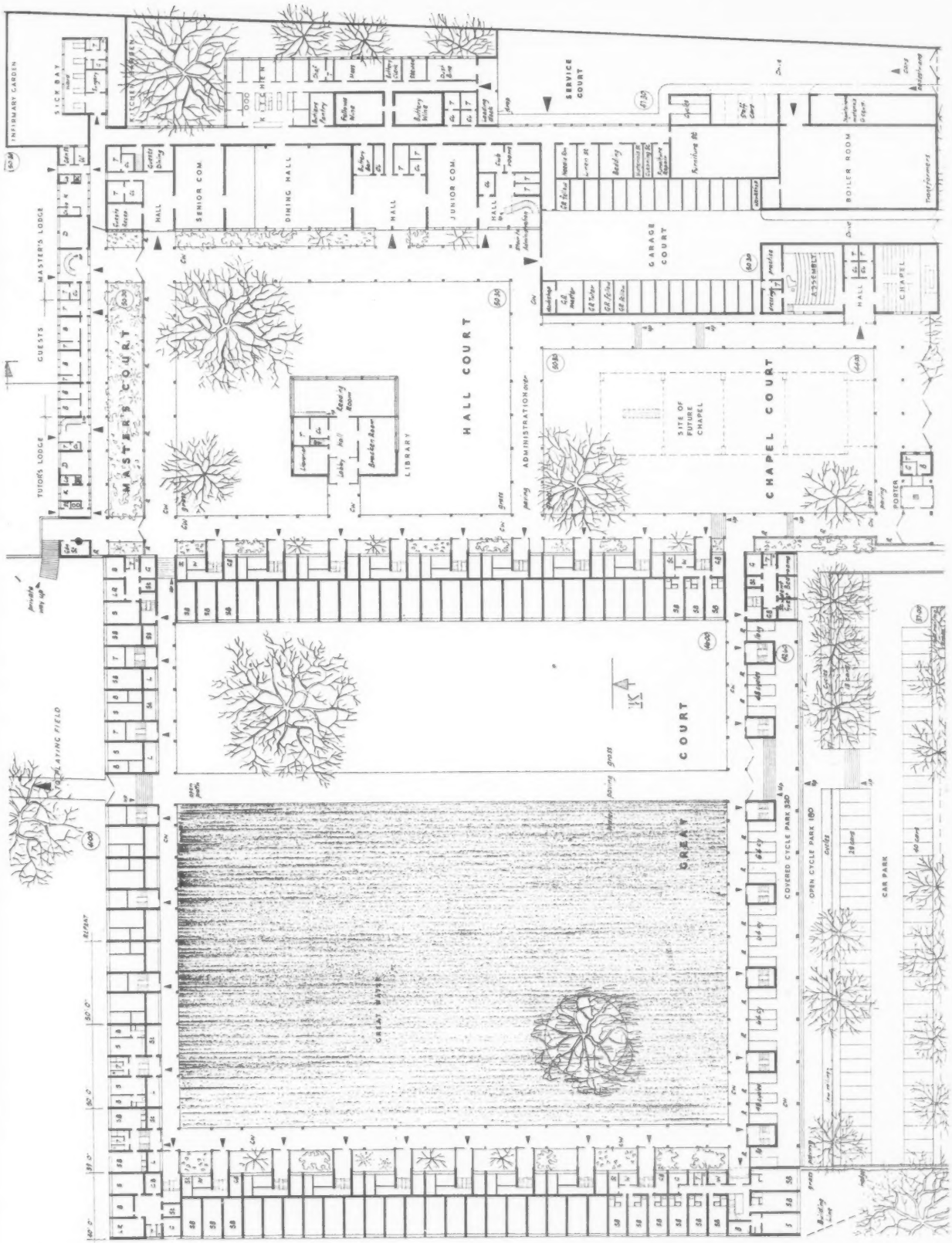
The immediate surroundings to the college will take the form of simple park landscape with few paths except the main central approach.

The majority of the buildings will be in 11-in. cavity brickwork: internal walls and blind external walls will vary between 20-in. cavity walls at the base and 11-in. at the top.

Site plan.



TAYLER AND GREEN



Ground floor plan.

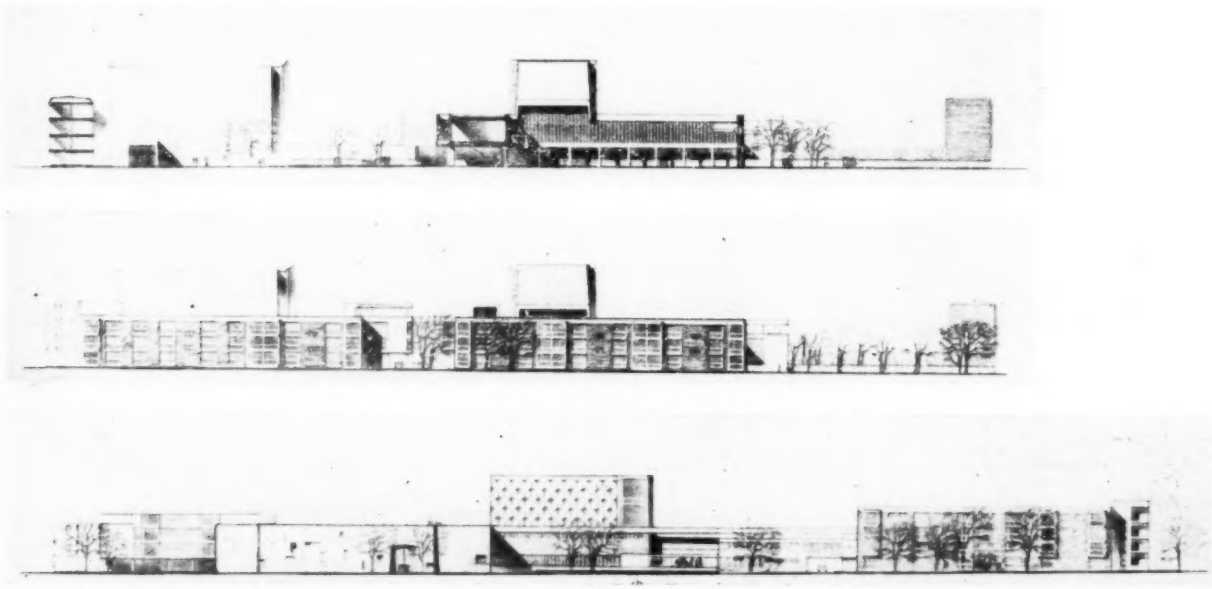
CHURCHILL COLLEGE COMPETITION: DESIGN BY



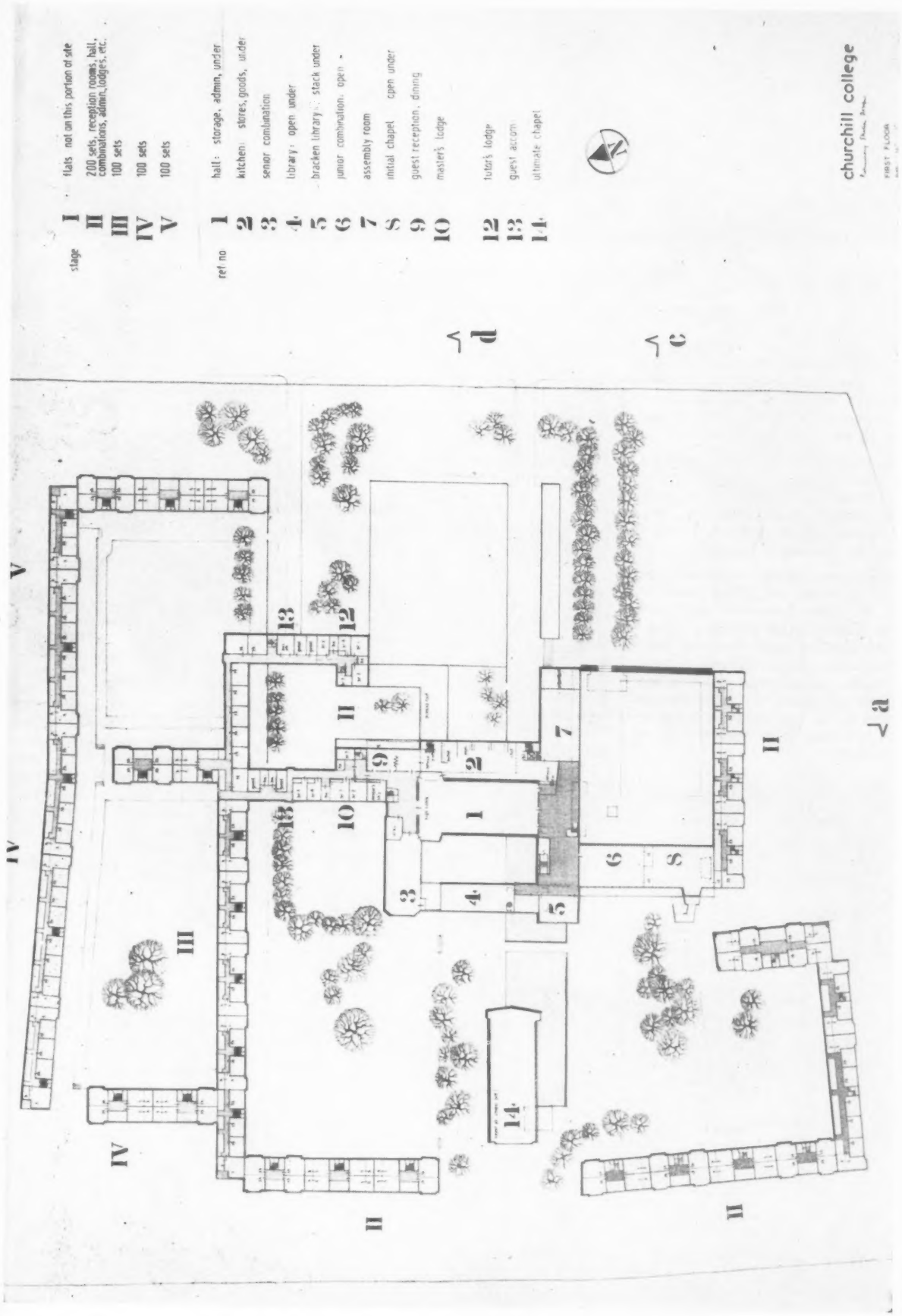
FROM THE ARCHITECT'S REPORT: the most important aim in the conception of the design has been to impart to it the essence of the spiritual qualities in the traditional Cambridge Colleges. These spiritual qualities (constantly felt but far less easily defined) derive from a subtle inward looking containedness, a sense of order, however casual, repose and dignified restraint. In endorsing the present scheme with the foregoing qualities, the principle has been emulated but there has been no slavish copying of a form and certainly the many serious functional inadequacies in the traditional colleges have been avoided. The approach adopted to the problem has meant the disavowing of any spectacular or over-dramatized solution. Such attributes, it is felt are fundamentally out of sympathy with the true nature required of the buildings and would be likely to create wrong emphases.

The public accommodation forms a core to the scheme about which the residential blocks are planned in a peripheral enclosing manner. The major components of this accommodation, reception rooms, dining hall, etc., are lifted to first floor level—a true piano mobile—to free the ground floor for visual opening up as outside circulation or to accommodate the smaller scale components. The relationship of parts in association with the Master's and Tutor's lodges, to meet the programme requirements, has called for most skilful handling.

Above, site plan. Opposite page, first floor plan. Below, section C-C and elevations to Madingley Road and Storey's Way.



DAVID DU R. ABERDEEN



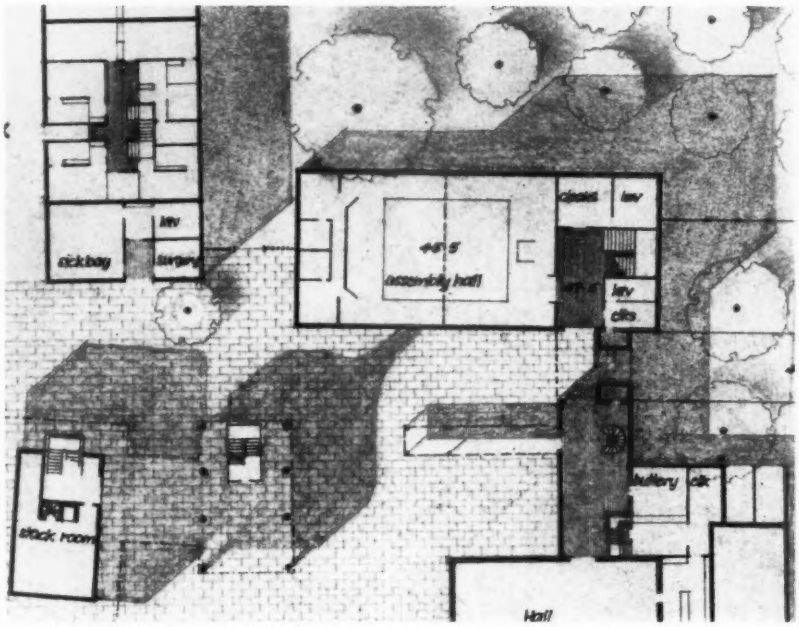
CHURCHILL COLLEGE COMPETITION: BY CASSON AND CONDER



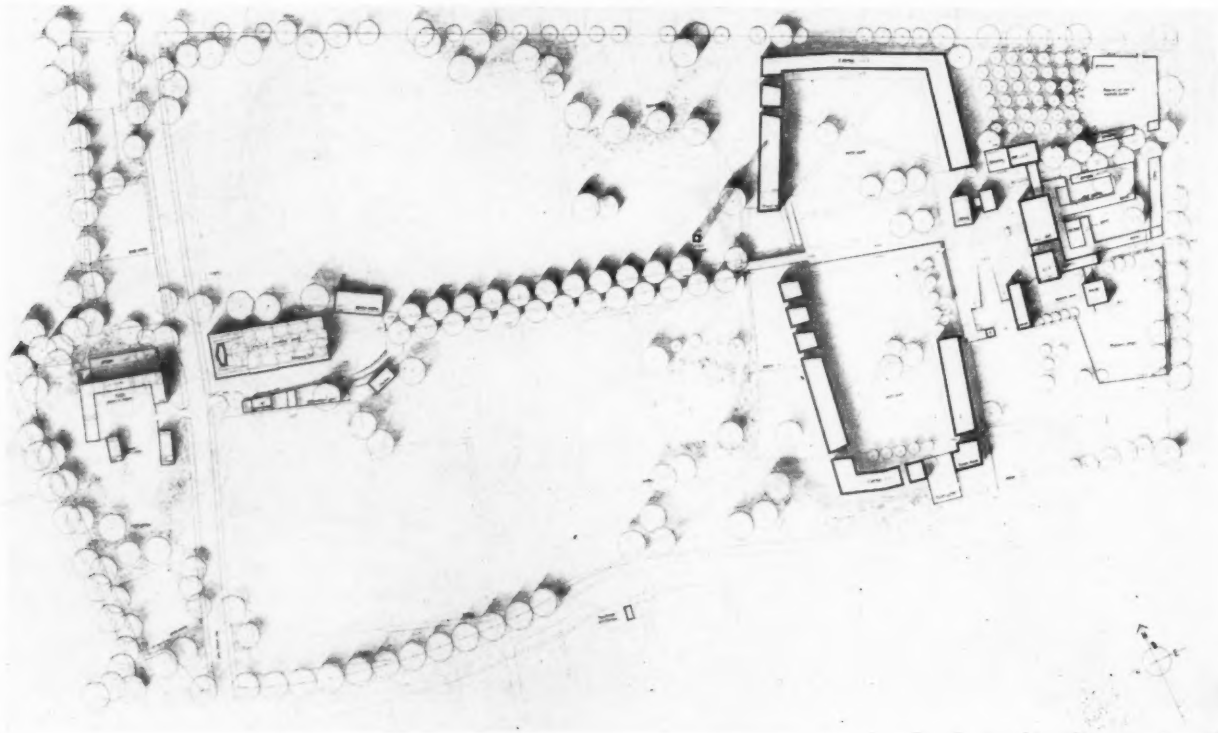
FROM THE ARCHITECTS' REPORT: it was decided that the site be treated not as a group of buildings huddled in one corner of an area of playing fields but as a complete and coherent piece of landscape developed to every boundary. This is all the more essential since the college must make its presence felt in an area which is neither urban nor rural in character and is surrounded by small scale development.

Any form of point block or high residential system involving lifts is inappropriate. This decision restricts the height of the buildings to four storeys, so some vertical mark, visible from The Backs should be provided to signal the presence of the college.

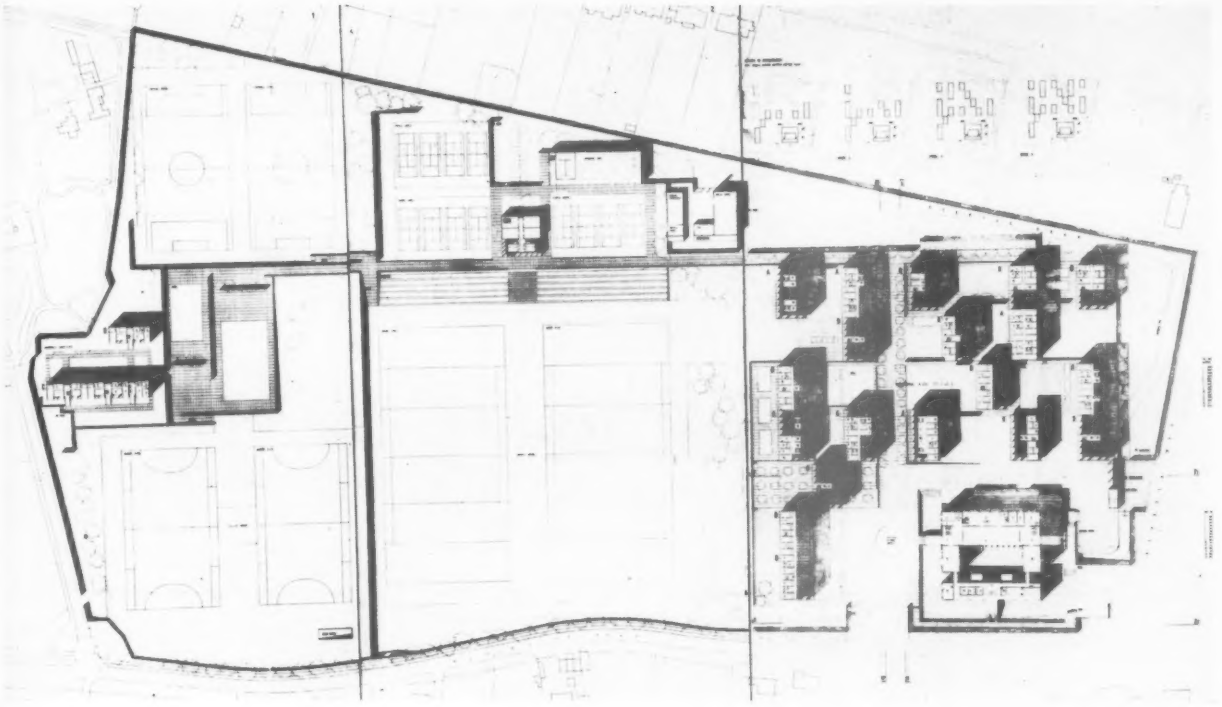
The main college entrance is nearest to the centre of the University, at the corner of Storey's Way. This forecourt is kept lower than the Master's garden and main terrace, thus withholding the interior landscape from the visitor until he has climbed the gentle ramp to the terrace, when suddenly the whole court, entrances to all combination rooms and distant view along the avenue to the west boundary can be comprehended in a single glance.



Top, south elevation. Above, part ground floor. Below, site plan.



CHURCHILL COLLEGE COMPETITION: DESIGN BY YORKE, ROSENBERG & MARDALL



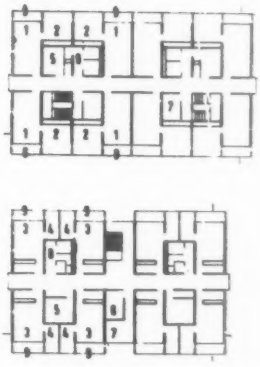
Above, site plan.

FROM THE ARCHITECTS' REPORT: in order to design a new college it was necessary to analyse the development and form of the existing university colleges especially at Cambridge and Oxford to determine which characteristics would be valid in a mid twentieth century university. The important characteristics of the traditional college worth maintaining are found in this design. Those to be avoided are first the conscious protective sense of turning in-ness with the corresponding lack of contact with people and things outside, second, the grand, rather pompous and consciously impressive scale of Renaissance and neo-Classical colleges. Third is the subordinance of the needs of college members in order that architectural effects might be obtained.

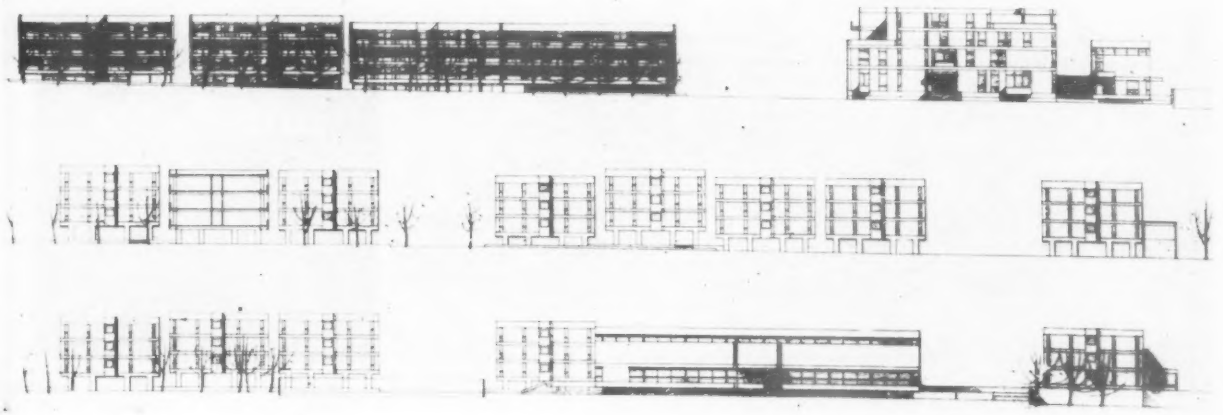
Specific feature of the design is the positioning of the two lodges, which take the form of penthouses on the roof of the college centre so as to give easy communication with affiliated units of accommodation such as dining rooms and bedrooms for guests. Another feature has been the separation of conflicting circulations and types of activity. The college centre makes use of two level entry, but the lower ground floor is in no sense a basement.

A variation can be obtained in the size of two-room sets and bedrooms at the expense of the study bedrooms.

The construction and finishes generally are r.c. beams and columns on the ground floors with loadbearing brick work above.



Top, first floor plan, residential block type A. Above, first floor plan, type B. Below, north-south section and two west-east sections.



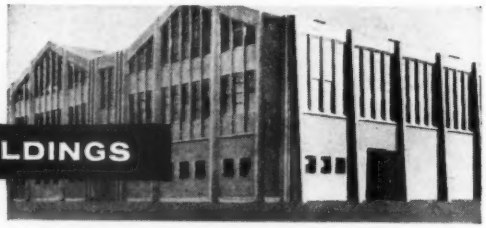
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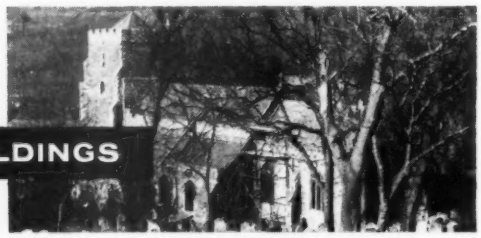
silicone masonry treatments protect...

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All prefabricated concrete components used in the construction of this building are treated with a water-repellent solution based on DRI-SIL 29.

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All Saints Church, Hastings, mainly 14th century but contains older walling, part prehistoric. With passage of time the penetration of water through the walls has become more prevalent, resulting in the usual decay and fungus. Water penetration has been stopped with DRI-SIL silicone solution. (By courtesy of the Rector and Consultant Architect).

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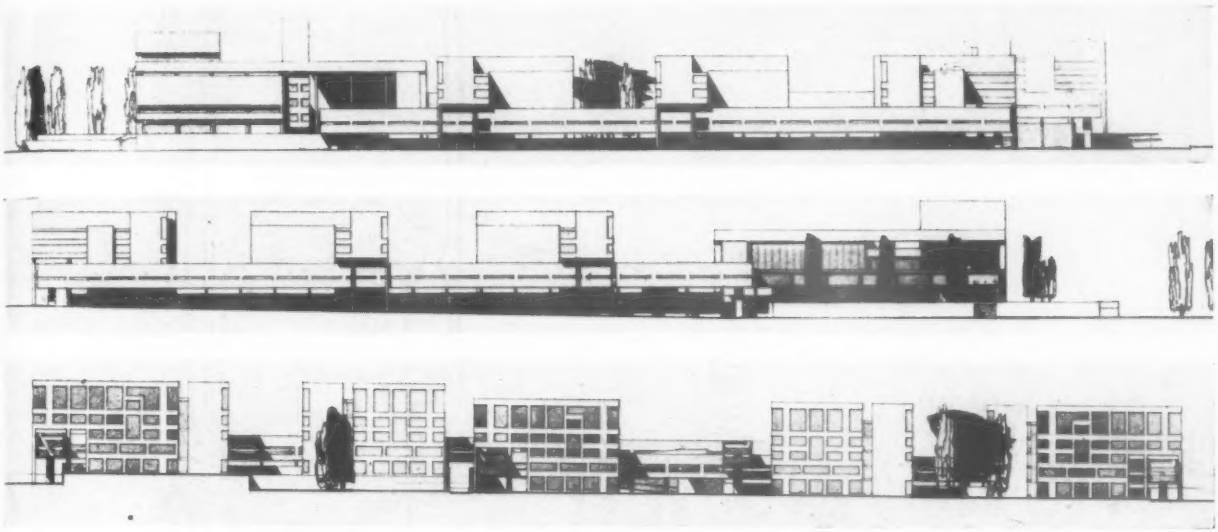
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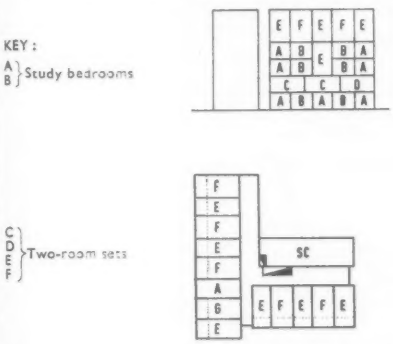
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CHURCHILL COLLEGE COMPETITION: DESIGN BY LYONS, ISRAEL & ELLIS



Top, east elevation. Centre, west elevation. Above, section through courts looking north.

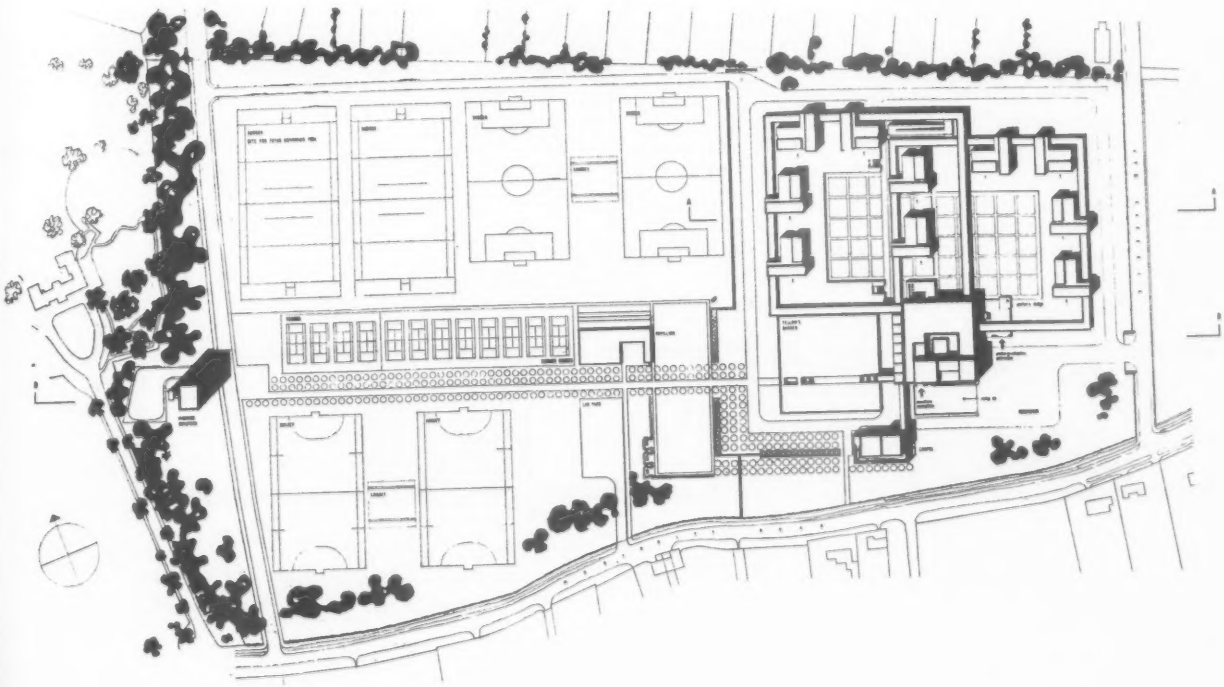


Above, typical diagrammatic section and fourth floor plan. Below, site plan.

FROM THE ARCHITECTS' REPORT: the governing considerations were: the breakdown of so large a college into residential units of the "Cambridge" scale; the Halls form part of a single building complex and are the dominant element; the main buildings and residential units to be surrounded by cloisters so that the interest of the whole college is directed towards the main building. Two cloisters have been used to reduce distances and so that there may be a complete architectural idea apparent throughout all phases.

A fall in the site allows two square cloisters to be interlocked at different levels within the square site and by raising the cloisters on *piloti* complete freedom is given on the ground. The upper cloister leads into the piano mobile of the main building.

Hall, combination rooms and kitchen are on the second floor with a service court beneath; the Master's and tutors' lodge are on the roof to take advantage of the magnificent view of Cambridge, with complete privacy, yet close to the guests' accommodation, reception and senior common room. The residential accommodation comprises ten blocks five-storeys high, each consisting of 50 residential units and a service core including Gyps' rooms, bathrooms, storage space and rubbish chamber.

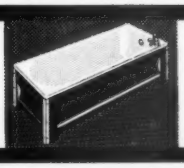


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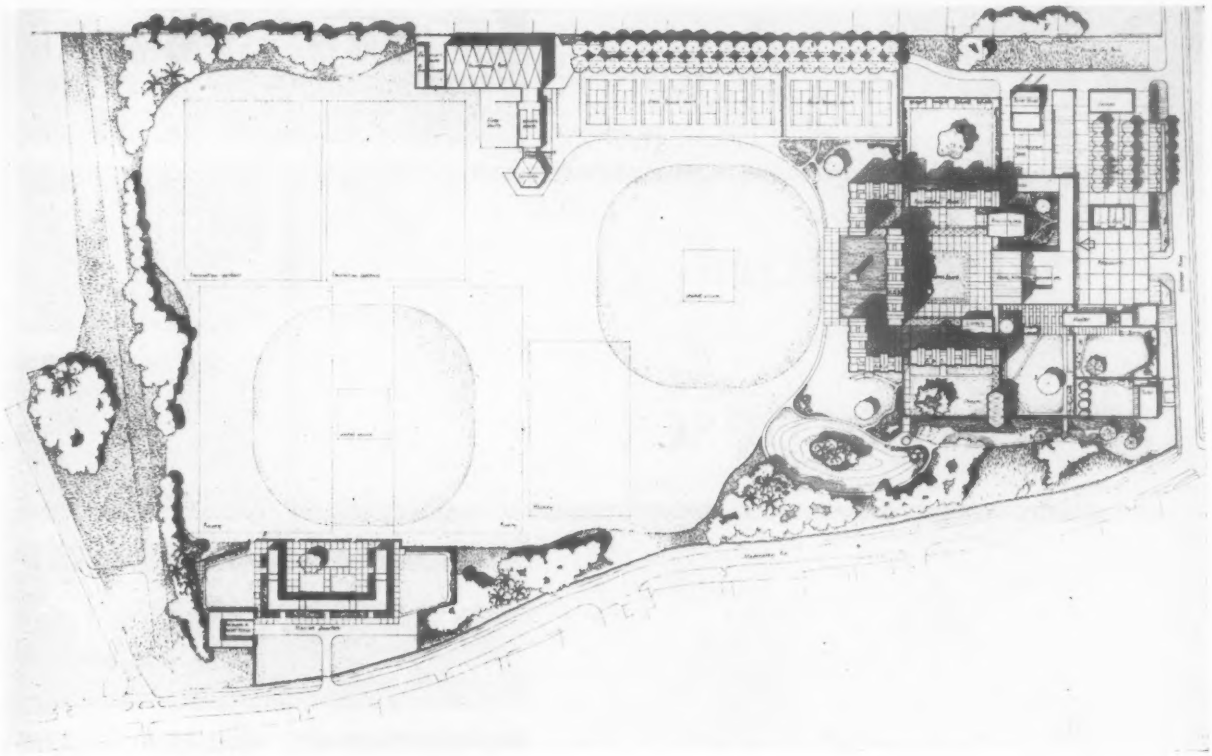
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CHURCHILL COLLEGE COMPETITION: DESIGN BY FREDERICK GIBBERD



Above, site plan.

FROM THE ARCHITECT'S REPORT: as the vicinity of the site is relatively flat and of no particular beauty the main college buildings are comparatively tall so that they make an architectural contribution to the scene and so that there are glimpses of them from the distance. The buildings were designed as a compact mass with a broken silhouette to avoid the scale of the environment being destroyed.

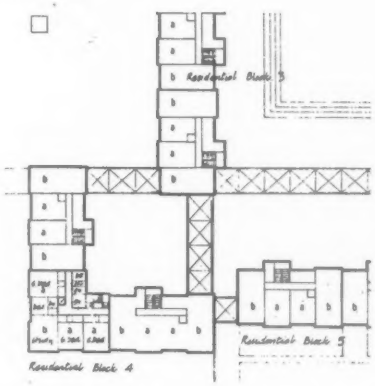
The college is at the east end of the site, as close as possible to Storey's Way to leave the maximum area to be developed for games and parkland.

The site would be landscaped in broad flowing lines with tree planting in masses and clumps in the manner of the school of English landscape design. The tree masses are designed to give definition to the playing fields and to contrast with the architectural forms. Gaps in the planting give framed glimpses of the college from Madingley Road and views out of the site.

The college buildings are grouped to form a series of courts in the traditional collegiate form and whilst the plan form is regular and symmetrical, an attempt is made to capture the spatial variety and visual complexities of an old foundation.

The fulcrum of the plan is a central court formed by the residential blocks, the hall, library and assembly room in a compact group to avoid long walks.

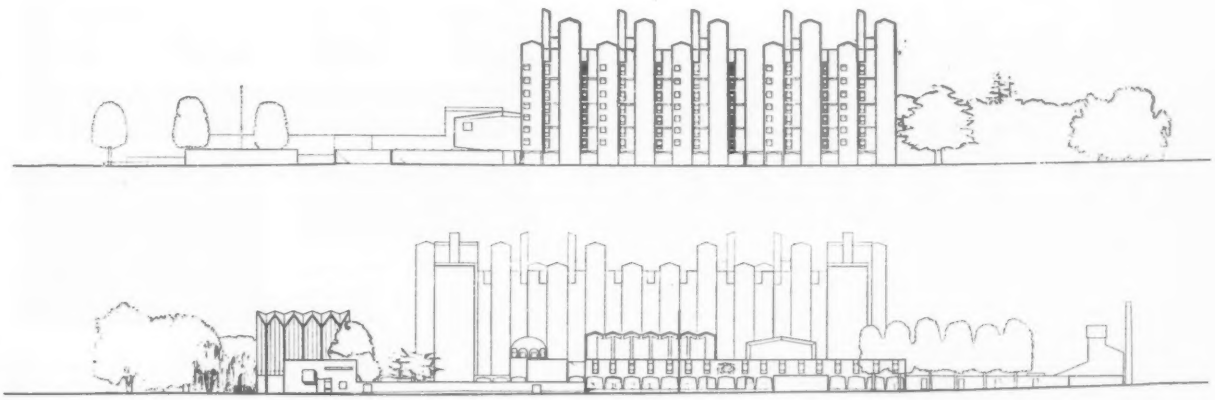
The college buildings would be constructed of reinforced concrete and as they are set out on a 13-ft. by 13-ft. grid a very simple system of cross wall or framing is possible. The buildings generally would be ashlar faced.



Above, part first floor plan.

Below, north elevation.

Bottom, east elevation.



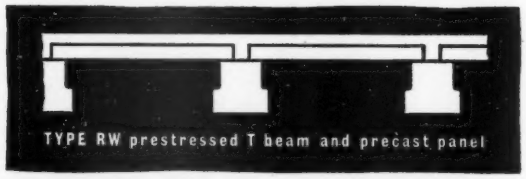


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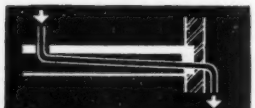
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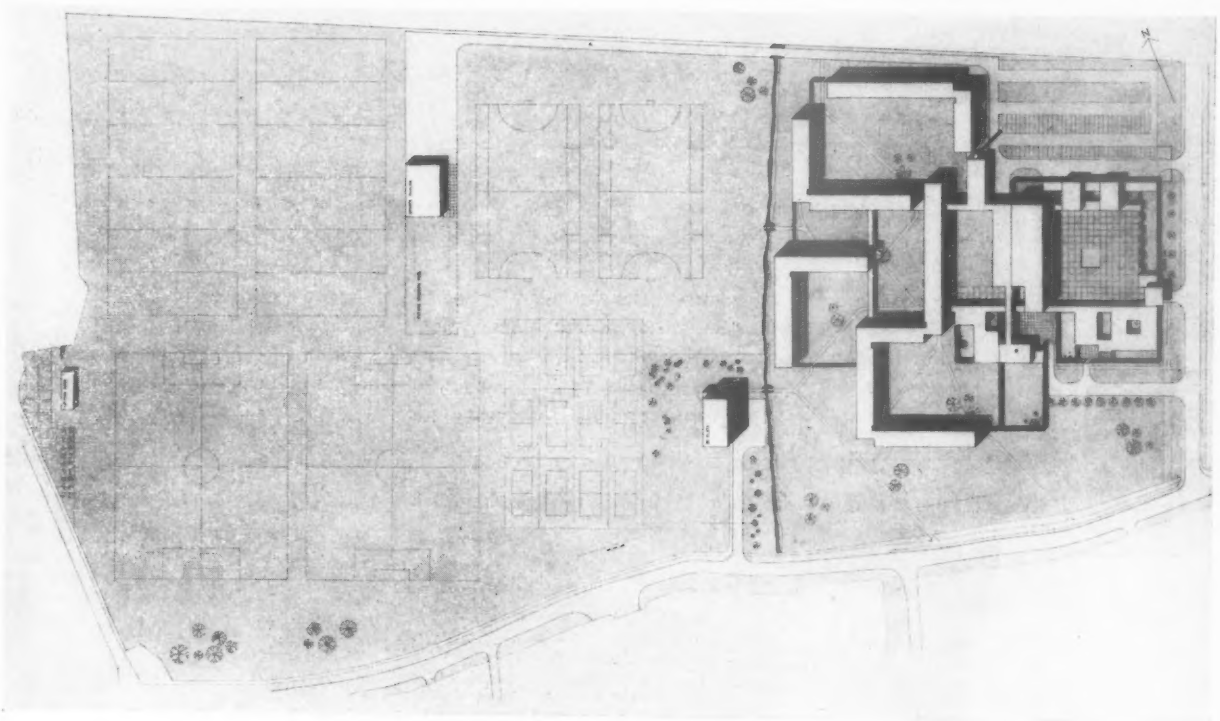
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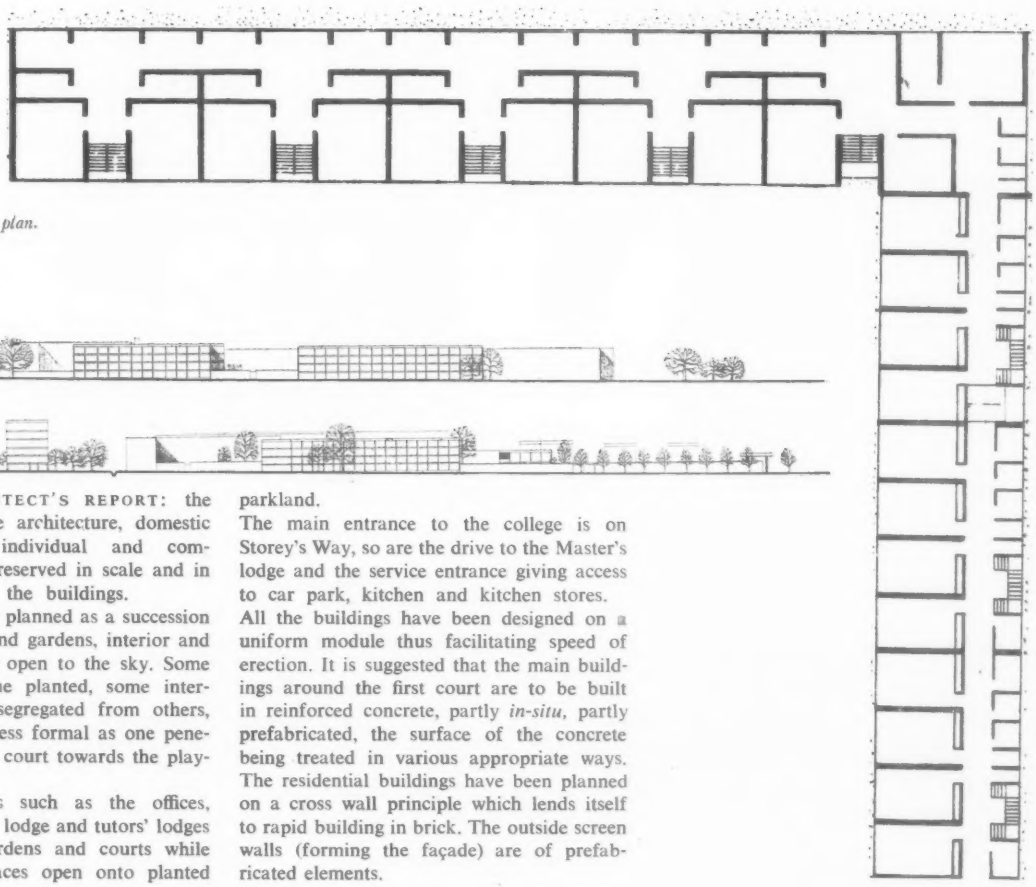
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CHURCHILL COLLEGE COMPETITION: DESIGN BY ERNO GOLDFINGER



Site plan.



Above, part ground floor plan.

Below, east elevation.

Bottom, south elevation.

FROM THE ARCHITECT'S REPORT: the character of college architecture, domestic and ceremonial, individual and communal, should be preserved in scale and in the relationship of the buildings.

The whole has been planned as a succession of squares, courts and gardens, interior and exterior, covered or open to the sky. Some are paved and some planted, some interlocking and some segregated from others, becoming less and less formal as one penetrates from the first court towards the playing fields.

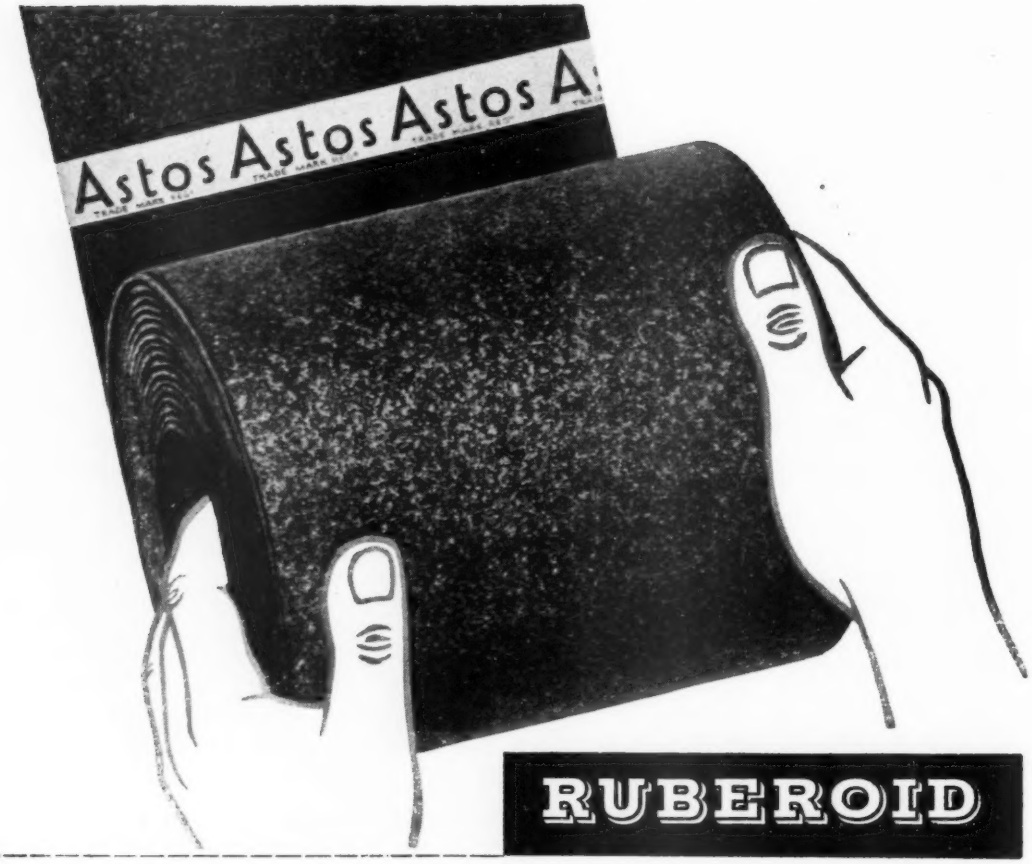
Individual buildings such as the offices, library, the Master's lodge and tutors' lodges have their own gardens and courts while the residential terraces open onto planted parkland.

The main entrance to the college is on Storey's Way, so are the drive to the Master's lodge and the service entrance giving access to car park, kitchen and kitchen stores.

All the buildings have been designed on a uniform module thus facilitating speed of erection. It is suggested that the main buildings around the first court are to be built in reinforced concrete, partly *in-situ*, partly prefabricated, the surface of the concrete being treated in various appropriate ways. The residential buildings have been planned on a cross wall principle which lends itself to rapid building in brick. The outside screen walls (forming the façade) are of prefabricated elements.

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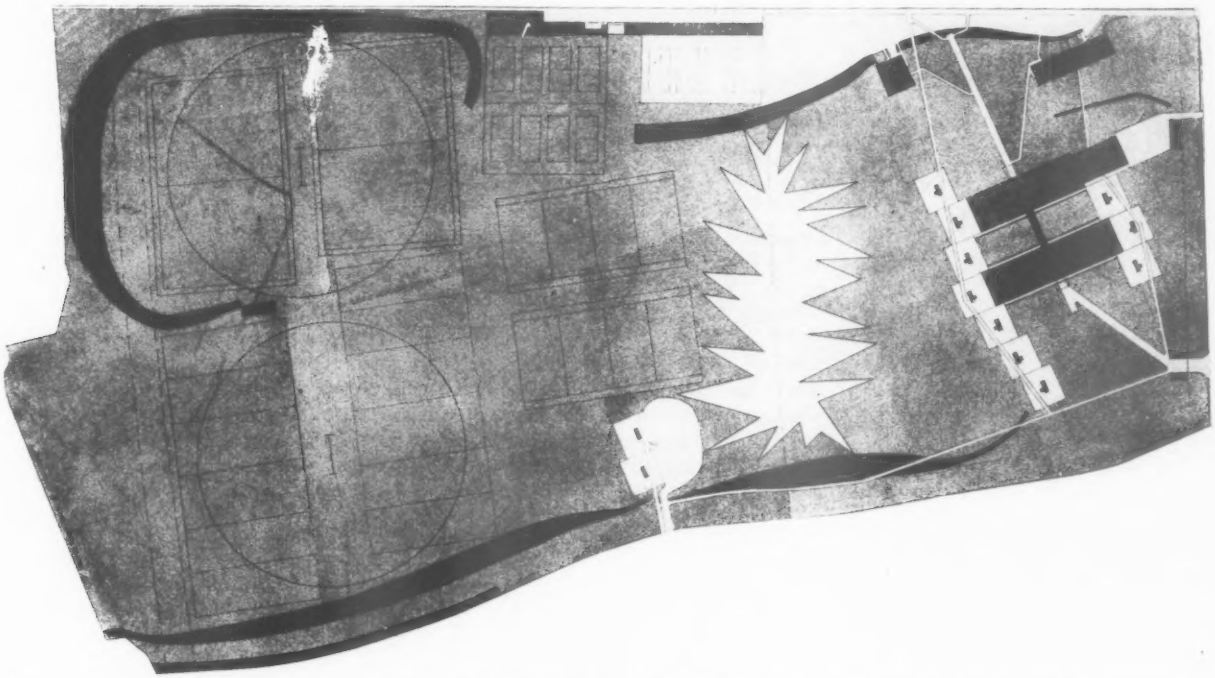


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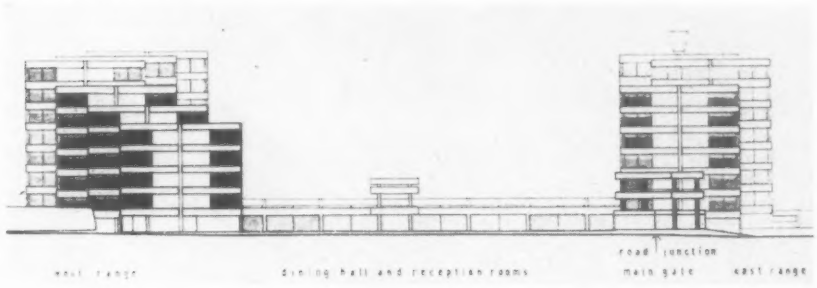
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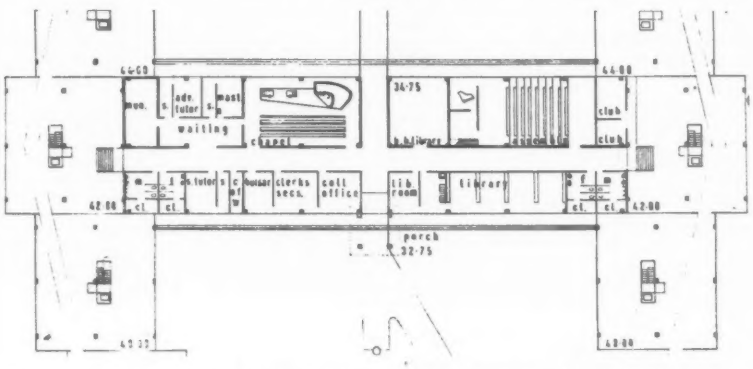
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CHURCHILL COLLEGE COMPETITION: DESIGN BY PETER SMITHSON

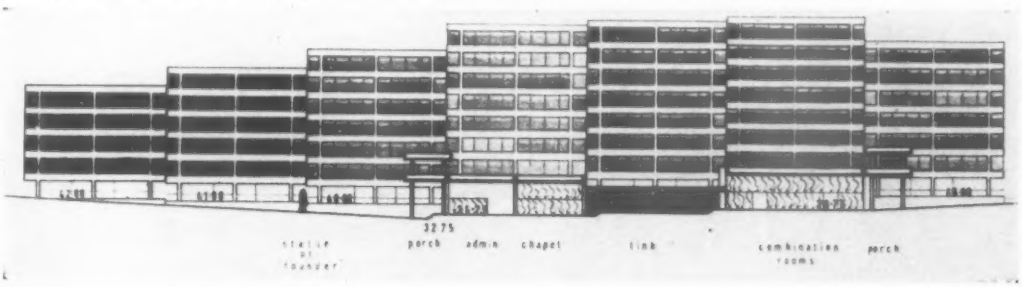


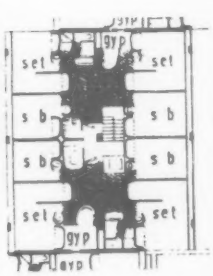
Above, site plan. Below, elevation to Madingley Road (the main buildings are separated from the playing fields by a pond of irregular polygon shape).





Above, part ground floor plan. Below, long section. Below right, detail plan of residential block.





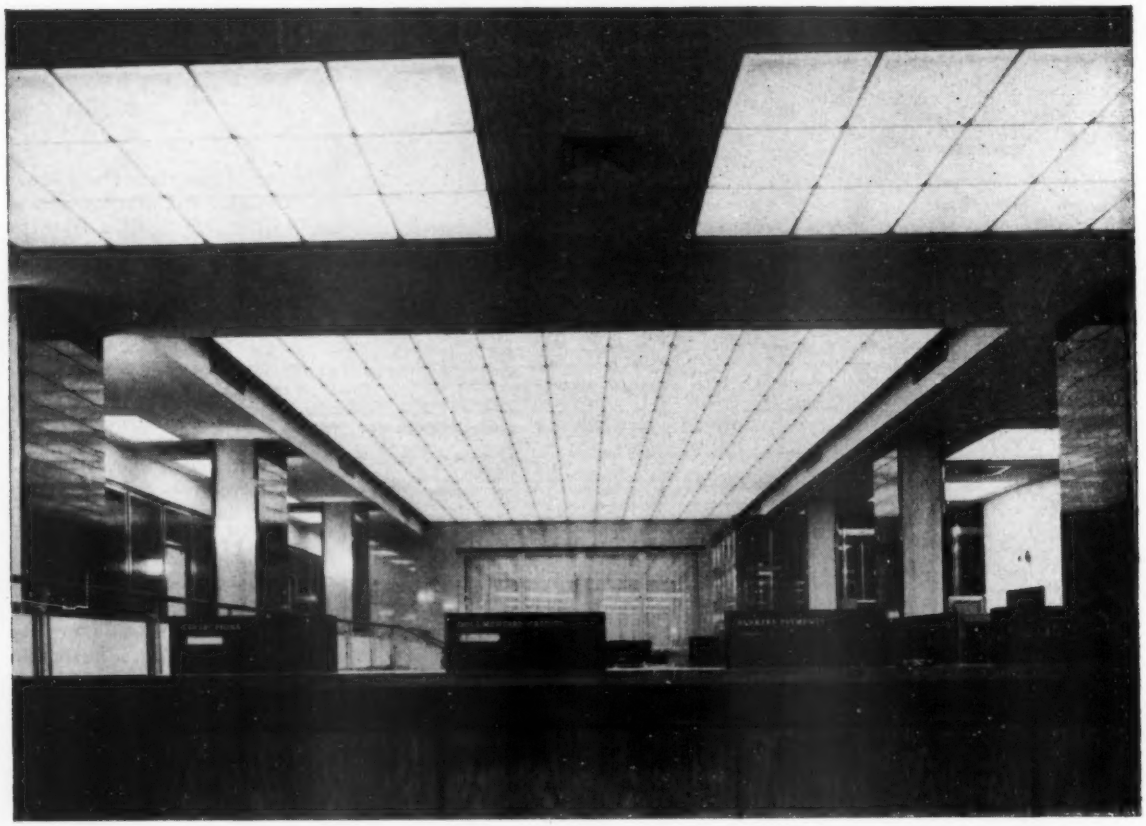
FROM THE ARCHITECT'S REPORT: in their design the architects have kept in mind the social change that has taken place in recent years, one aspect of which is the expected high proportion of post graduates and the more technological character of the college. The traditional closed system for colleges has been abandoned and instead a formally half open and half closed one has been adopted. It is proposed to provide accommodation and servicing for the members of a standard comparable to that of a good modern hotel including lift access to the study bedrooms and sets. The rooms have a minimum size of 12 ft. 6 in. × 12 ft. 6 in., are glazed to within 1 ft. of the ceiling and floor and are arranged in groups of eight or nine around the lift and staircase wells.

The ten residential blocks are arranged in staggered line to suggest a feeling of enclosure. These high buildings, which are all of r.c. frame construction, are built on a 25-ft. grid, and floors are 12-in. deep concrete planks and the 3-ft. spandril depth between floors used for the main beam. Buildings that are overlooked by taller buildings have roofs covered with gravel, humus and grass. The higher blocks have gravelled roofs.

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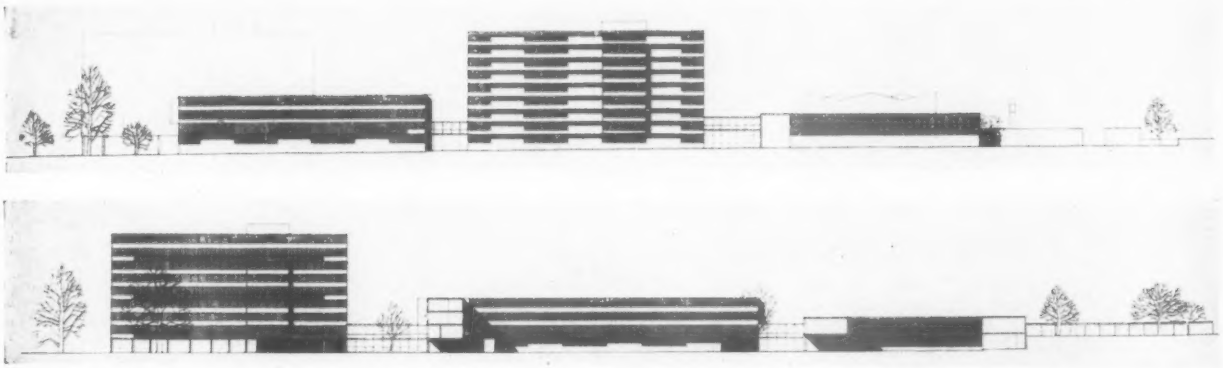
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CHURCHILL COLLEGE COMPETITION: DESIGN BY NORMAN & DAWBARN

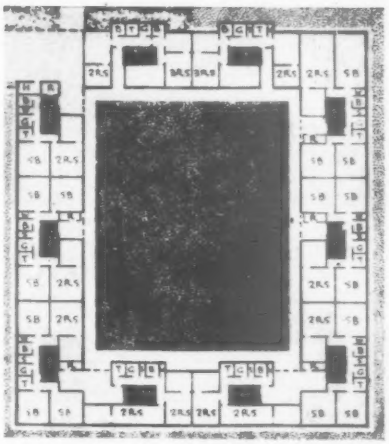


Top, elevation to Storey's Way. Above, west-east section.

FROM THE ARCHITECTS' REPORT: the hall, library, administration and other non-residential buildings are sited to the north; the Master's house is in the north-west corner. The main residential buildings are to the south and contained in four-storey and nine-storey blocks arranged generally to form three main courts. An open space between the buildings and Storey's Way forms a forecourt and a site for a future chapel is shown in this area.

A change of level becomes necessary at the north-west corner, and this difference of about 8 ft. allows simple access between the ground floor of the Master's and tutors' lodges and the main buildings.

The traditional residential form of staircase and court has been adopted because this arrangement has the advantage of pleasant living. Preliminary investigation showed that to plan all residential accommodation in low buildings would produce a somewhat congested group and some high blocks would help to give a more generous atmosphere. In addition, high buildings would be seen from The Backs and residents in them have a fine visual link with some of the most beautiful parts of Cambridge.



Below, site plan. Right, detail of first floor plan.





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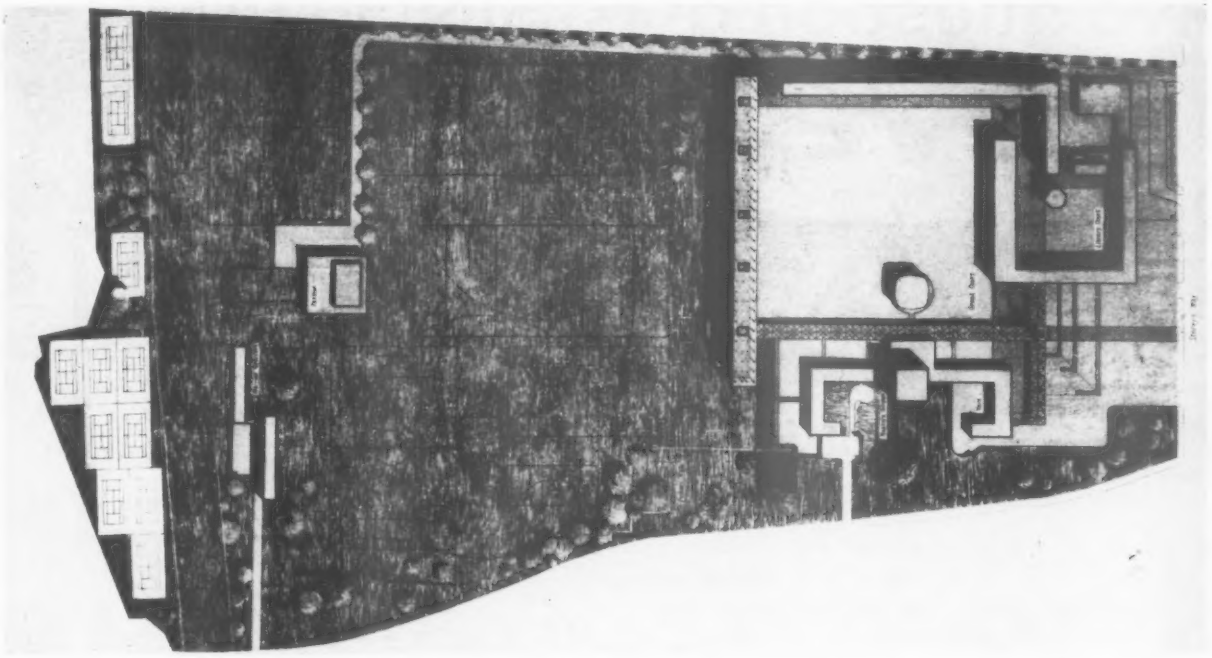
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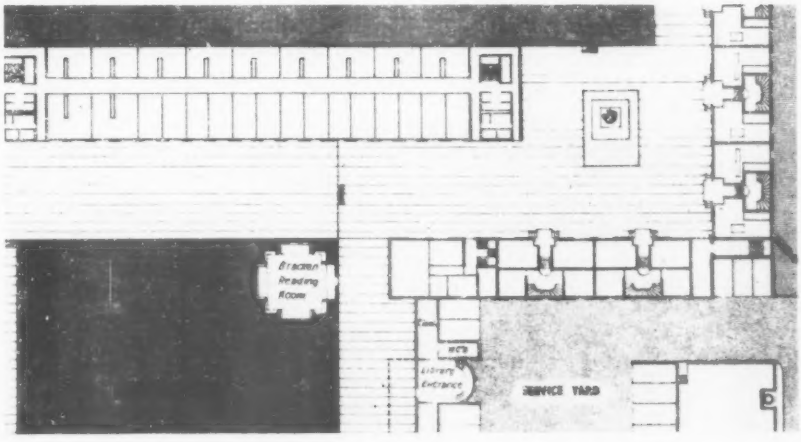
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CHURCHILL COLLEGE COMPETITION: DESIGN BY JAMES CUBITT & PARTNERS



Above, site plan (the dark area to the west of the building is water). Below, part ground floor plan of library court.

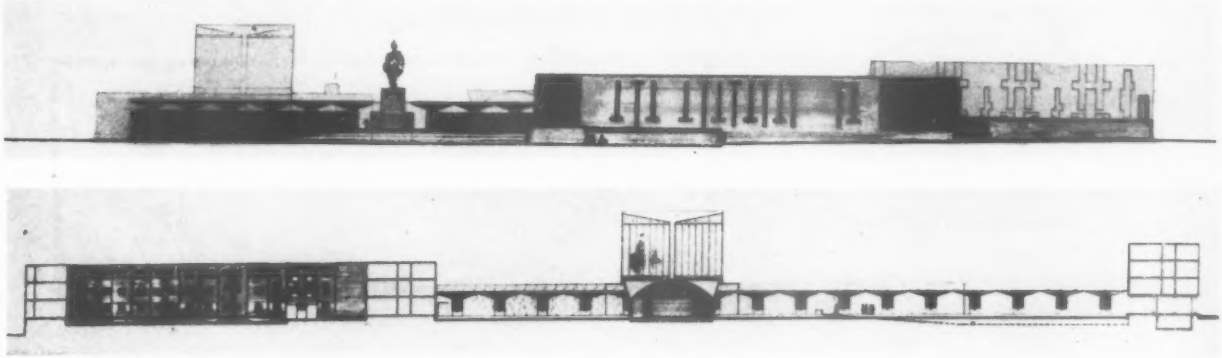


FROM THE ARCHITECTS' REPORT: the quality aimed at is serenity and it is intended to welcome rather than to exclude. The south-east and south-west corners are therefore kept open to give views from the outside. The hall group is placed on Madingley Road for the same reason. From the inside the diagonals are open and extended. By raising the west building of the great court on columns the long, pleasant grass slope to the west is brought, so to speak, across the water and into the college. The difference in level between the north-west and south-west corners of the buildings is about 10 ft. In order to counteract any feeling of being at the foot of a hill the change of level has been concentrated near the entrance. The water has three purposes, to echo The Backs, to enclose the college from the west, and for ornament.

Since the life of colleges (of this plan) takes place in the courts, all the residents should feel a close connection with the courts. With the exception of the 104 residents on the west side of the great court, who look over the college grounds, all sets and rooms have a window overlooking the courts. The only further exception is the two three-room sets in the west wing of the hall group.

All buildings facing north and south are of the normal staircase type, that is, the sets are "through rooms," the bedrooms generally to the north. No study bedroom faces north.

Below, east elevation. Bottom, east-west section.

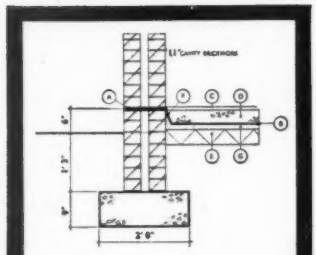


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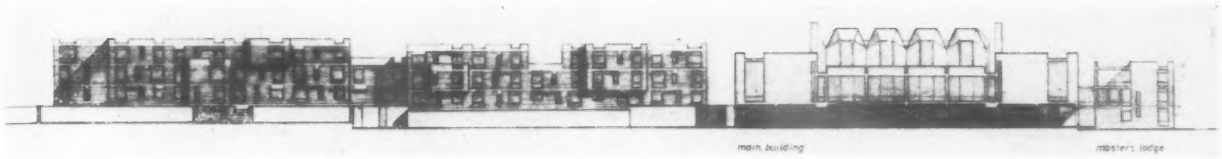
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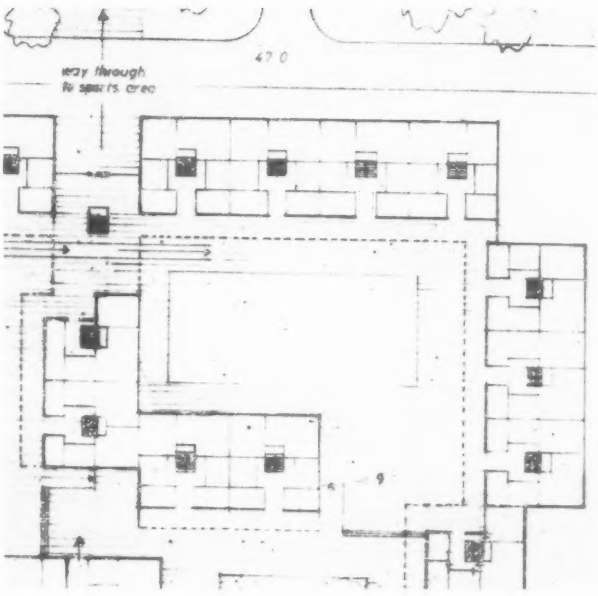
CHURCHILL COLLEGE COMPETITION: DESIGN BY H. T. CADBURY-BROWN





Top, north elevation.

Above, south elevation.



Right, part ground floor plan.

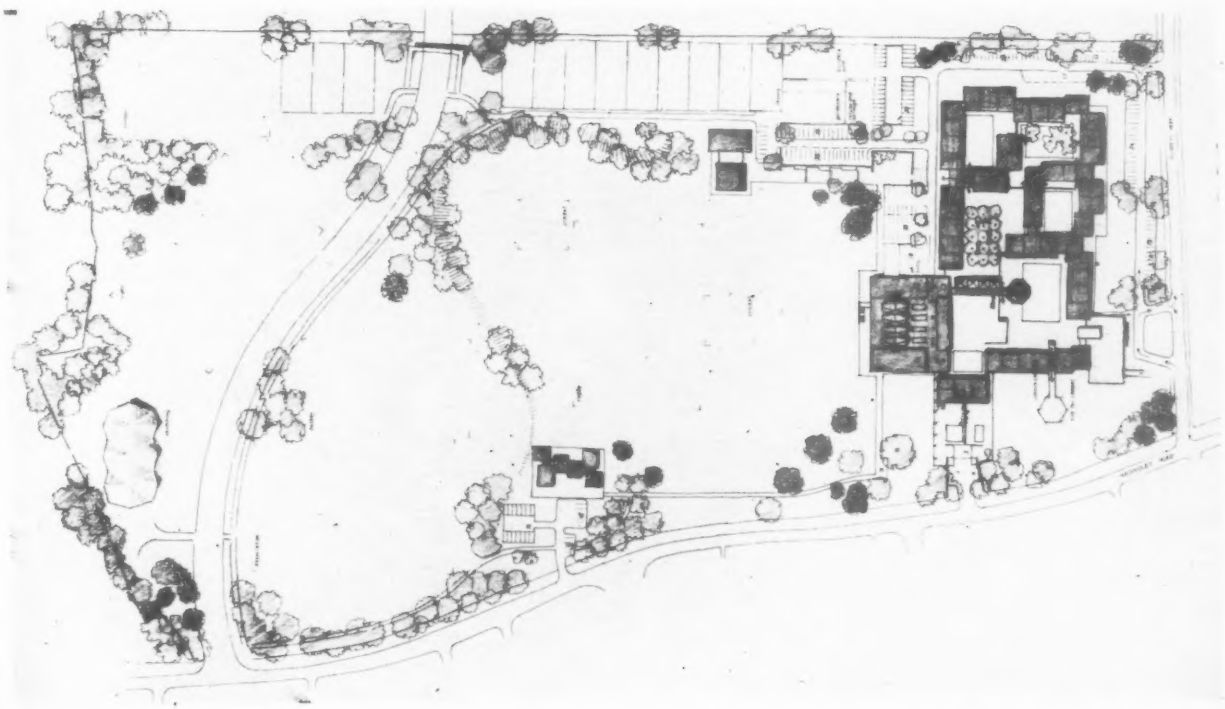
Below, site plan. The main buildings are grouped together in the south-west corner with the residential blocks to the north.

FROM THE ARCHITECT'S REPORT: the objectives of the design are to maintain the typical Cambridge or Oxford environment of controlled pedestrian areas. Planning is to achieve the most efficient running of the whole complex. Self-propelled trolleys would collect and distribute linen and refuse which would be in specially designed containers. The plan is also to economize with space within the living accommodation by the artificial lighting and ventilation of bathrooms, w.c's and gyprooms.

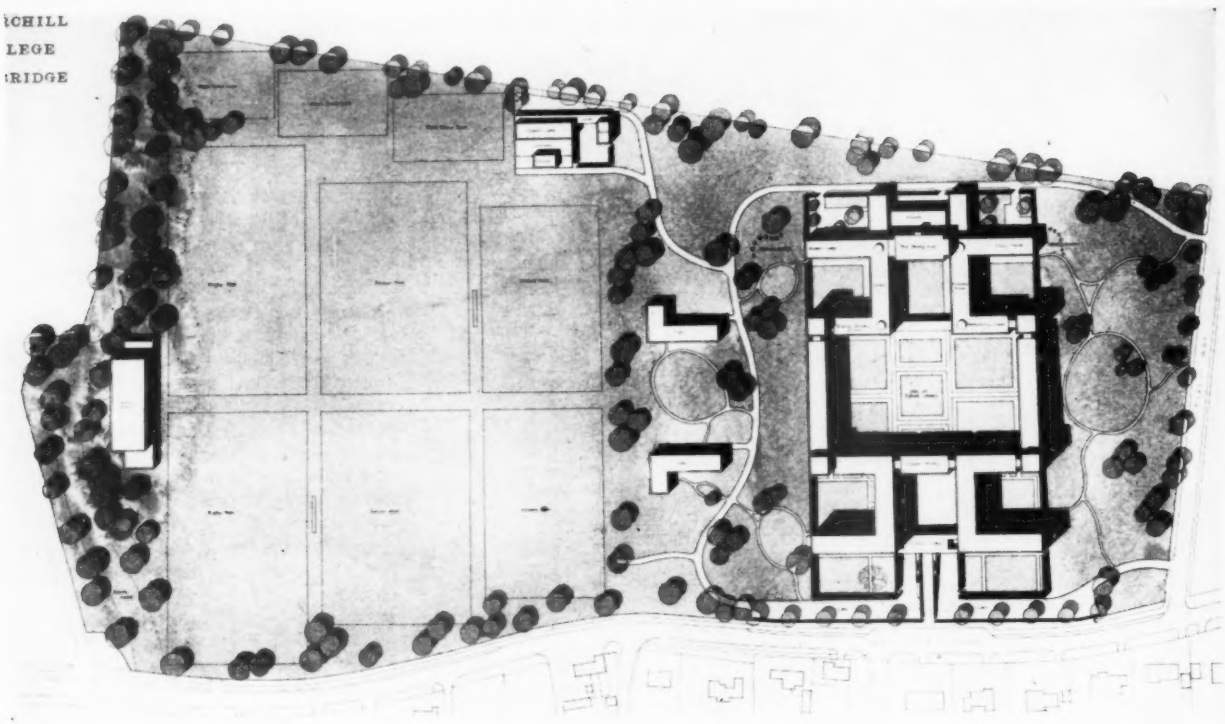
The building is given such "form" that it creates a memorable image whether seen from the road or from within, making sure that this image should not be dominated by the great amount of living accommodation required.

It was felt by the architects that the site offers a unique opportunity to make a landscape complementary to the enclosed forms of the living accommodation. It is the development of this site which makes this college different from almost all other colleges.

Within the group of buildings, it was decided to give opportunity for variety in form and silhouette as well as in the size and shape of rooms and the direction from which light penetrates. The appearance of the college at night has been given careful attention.

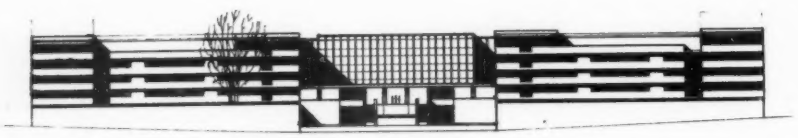


CHURCHILL COLLEGE COMPETITION: DESIGN BY DAVID WYNN ROBERTS



Above, site plan. Below, long section. Centre, south elevation. Bottom, cross section.



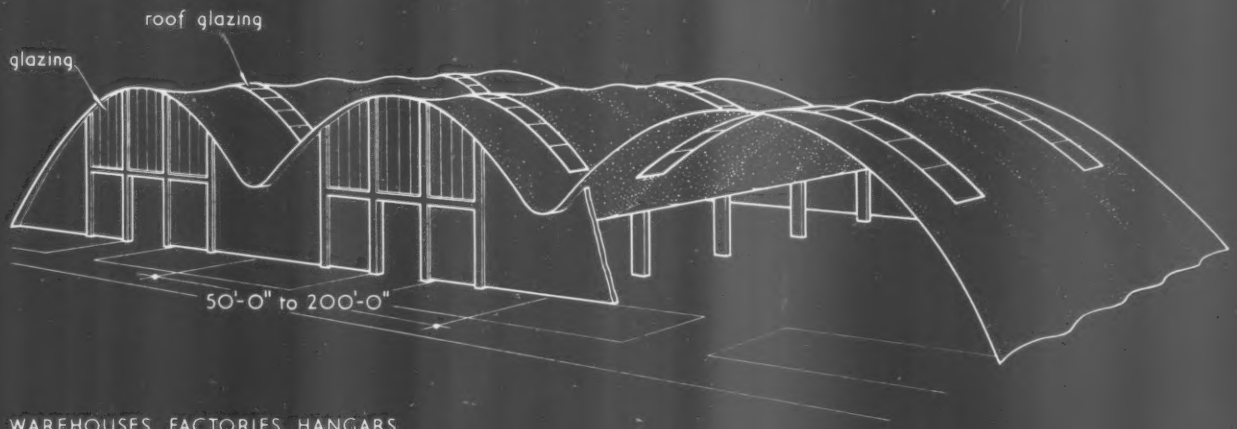




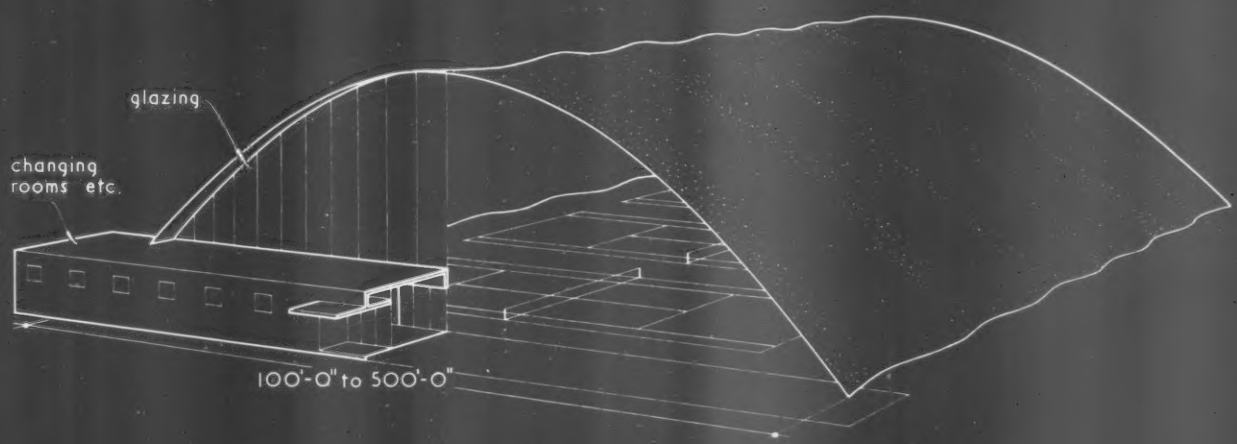
FROM THE ARCHITECT'S REPORT: the buildings, arranged symmetrically around a central court, are generally of brick and concrete construction. Reinforced concrete frames will be used for some of the larger rooms. Roofs, which are finished in copper, will also be built in concrete, and the majority of the buildings will have brick walls with a limited amount of stone facings and exposed concrete. Floors are to be reinforced concrete slabs and aluminium and teak is to be used for the windows.

The scheme is planned to be built in five stages, providing for 196 students at the end of the first year and an additional 104, 89 and 102 in each subsequent year.

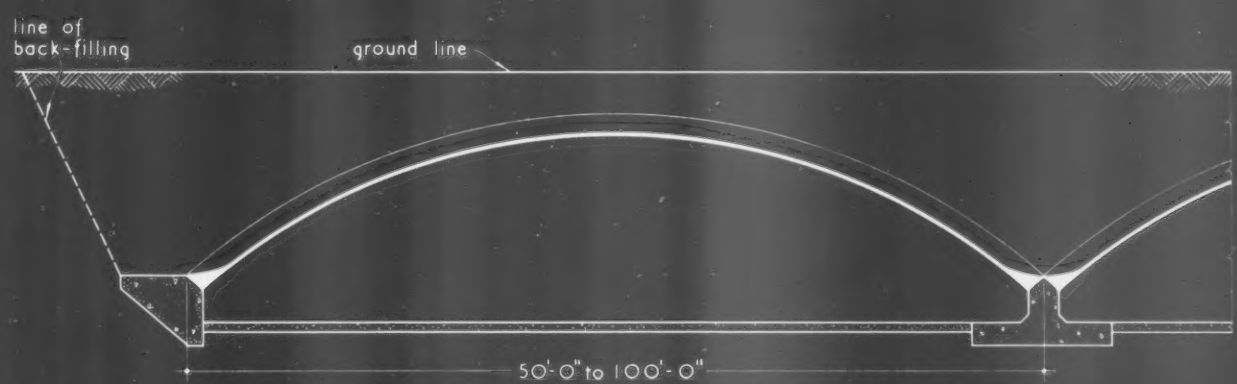




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17.H2 ·MARSLAND· COPPER ROOFING TILES

This Sheet describes roofing tiles consisting of copper sheet on plywood which are fixed to battens in the traditional manner and require no roof boarding. The tiles have the natural advantages of appearance and weathering of copper and are simply and rapidly fixed. They can be used for pitches over 20 deg. and are also suitable for tile hanging. Details of treatment at ridge, hips, valleys, abutments and verges are shown in the drawings on the face of the Sheet.

Description

The tiles consist of pure sheet copper of 37 s.w.g. formed round squares of waterproof plywood 5 mm. thick with spring hard copper strips inserted under the lower edges to ensure a tight overlap. The plywood is impregnated against rot and insect attack. The edges of the plywood are splayed, as shown in the drawing headed *Detail of lapped joint*, to give a close, interlocking joint. Special eaves tiles are provided, as shown in the isometric sketch.

Size and Weight

The tiles are 12½ in. square and weigh 1·3 lb./sq. ft. There are 95 tiles per square.

Preparation of Roof

Sawn 2-in. tile battens should be laid at 8¾ in. gauge. For purlin-type roofs, the tiles can be fixed to battens spanning between purlins. The thickness of the battens should be related to the distance between supports: ordinary 2 in. by 1 in. battens are adequate for spans up to 2 ft. 0 in.

Fixing

The tiles are laid to diagonal lines and fixed with one 1 in. copper nail per tile. The eaves tiles are secured at each angle: the standard tiles are nailed at the top angle only. The fixing of each tile is covered by the overlap of the tile above. Aprons, flashings, etc., are formed in 26 gauge copper strip in accordance with traditional practice. Where the tiles are to be cut, the plywood can be sawn with a fine-toothed saw: if desired, the copper can be removed from the plywood base and replaced after the shaping is completed. The copper covering of cut tiles is used as shown in the drawings to form part of the flashing.

Eaves: The eaves tiles are nailed at each angle, allowing about 1 in. projection of the sheet copper beyond the first batten into the eaves gutter. Where a fascia board is used, the top edge of the fascia should abut the underside of the first tile batten, as shown on the drawing on the face of the Sheet.

Verge: The barge board or lining to end rafters should finish flush with the top of the battens. The tiles are sawn through in line with the external edge and the copper covering formed into a 2-in. upstand. A 2 in. by 2½ in. timber roll is placed in position with a ½-in. side projection and screwed to the roof timbers. Strip copper fixing clips secure the preformed copper capping to the timber rolls as shown in the first detail. The second detail shows a method where the upstand formed by the tile covering is turned into the edge of the capping in a single-lock welt.

Valley: Valley boarding should be fitted flush with the top of the rafters and below the tile battens. The 26 gauge soft-tempered sheet copper valley lining is turned over the batten and returned, allowing 1½ in. projection over which the copper covering of the tile is turned.

Abutments: The detail on the face of the Sheet shows a method where the plywood base is removed for sawing. The copper surface is then replaced and turned up 2 in. against the abutment and covered in the traditional manner with a copper flashing. If desired, the copper surface can be turned up over triangular softwood fillet nailed to the plywood at the abutment.

Ridge and hips: The tiles are sawn as required and covered with preformed 26 to 28 gauge copper cappings, secured with ordinary 2-in. copper clips at 1 ft. 3 in. centres, as shown in the detail.

Further Information

The manufacturer and agents maintain technical advisory services to answer all questions relating to this subject. The Copper Development Association is available for consultation and advice in connection with the use of sheet copper generally.

Compiled from information supplied by:
Marsland and Company Limited.
Address : Conington Road, London, S.E.13.
Telephone : Lee Green 7924, 9971.

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working detail

STAINED GLASS WINDOW: CHURCH IN LONDON, E.14

Holger Jensen, Edward Armstrong and Frederick MacManus, architects

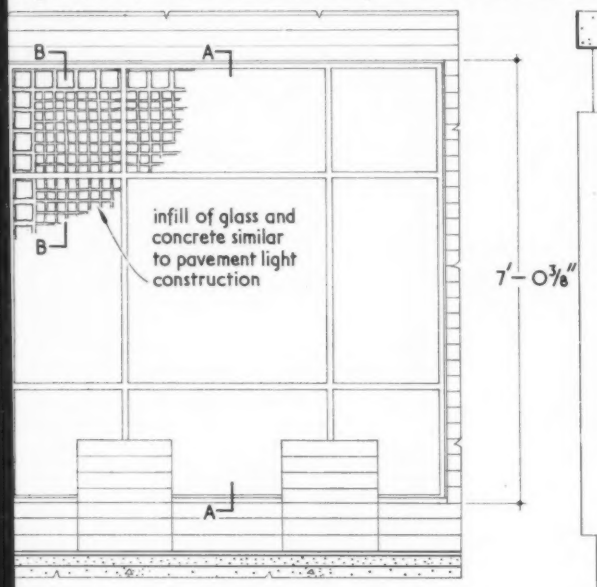


This paraphrase of the traditional stained glass window uses a constructional technique commonly associated with pavement lights. The panes are of strong colours arranged in an abstract pattern.

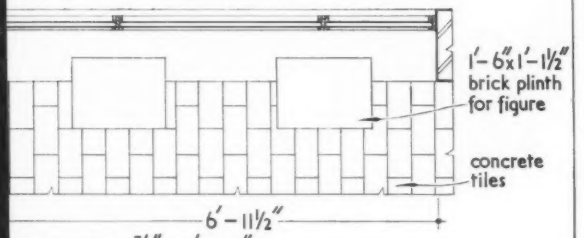
working detail

STAINED GLASS WINDOW: CHURCH IN LONDON, E.14

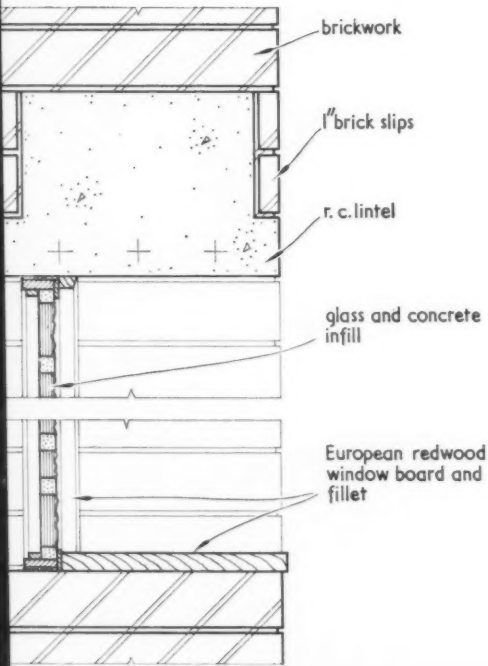
Holger Jensen, Edward Armstrong and Frederick MacManus, architects



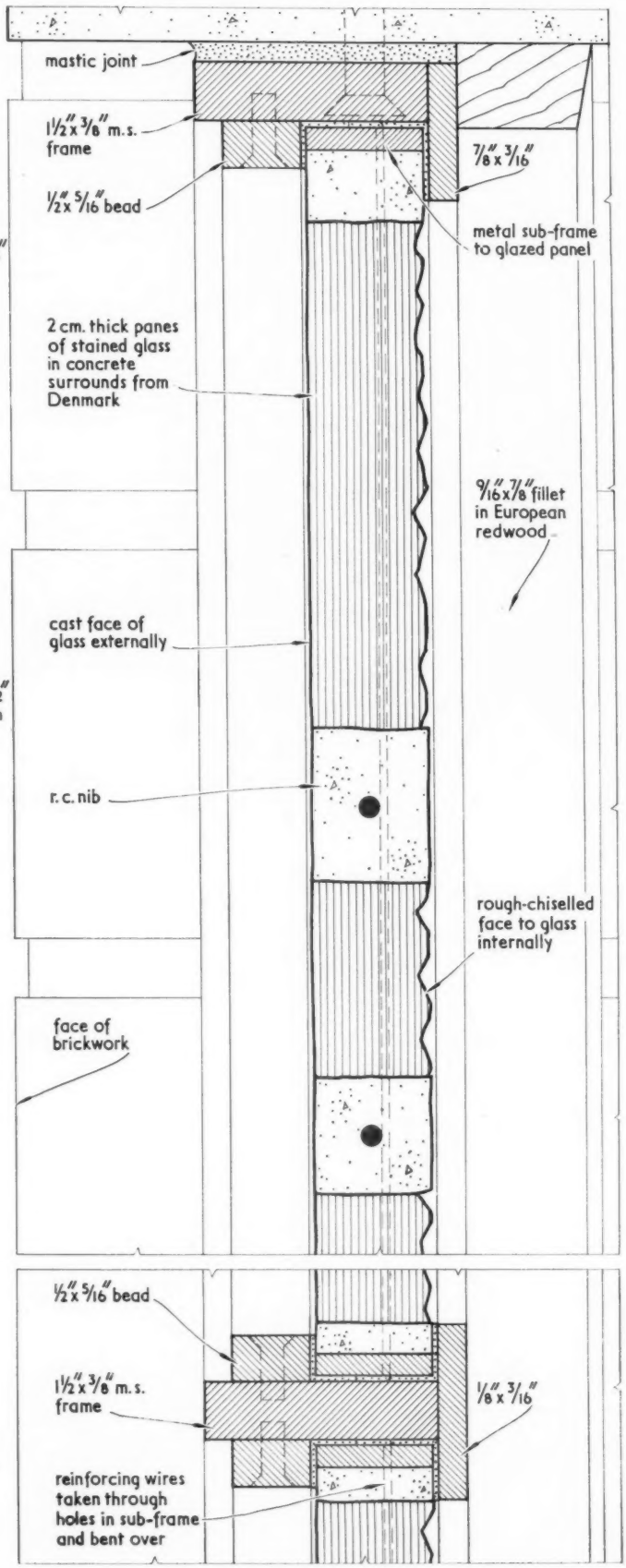
ELEVATION. scale 3/8" = 1'– 0"



PLAN. scale 3/8" = 1'– 0"



SECTION A – A. scale 1/8 full size



SECTION B – B. scale full size



Glamorock used to gay effect on the Classic cinema, Chelsea. Architects: Dowton & Hurst. Contractors: W. Phillips & Son Ltd.

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Announcements

PROFESSIONAL

Matkin and Hawkins, Chartered Architects, Barclays Bank Chambers, 53, Fawcett Street, Sunderland, have acquired the practice of Joseph Potts & Sons, 57, John Street, Sunderland, subsequent to the death of the late C. W. M. Potts. Any enquiries should now be addressed to Messrs. Matkin and Hawkins.

Gelder & Kitchen, Chartered Architects and Surveyors, have opened a London Office at 9, Southampton Place, London, W.C.1 (telephone Holborn 1487). Kenneth Barnard, A.R.I.B.A., will be in charge of the office.

William S. Newman, F.R.I.B.A., has moved his office to 139, High Street, Lewes. The telephone number remains Lewes 1333.

S. T. Walker & Partners, architects, have now moved from their Suffolk Street offices. The new address is 9, Frederick Road, Edgbaston, Birmingham 15 (telephone Edgbaston 6066/7/8).

P. Neville Taylor, A.R.I.B.A., and T. Jeffrey Yandell, A.R.I.B.A., formerly of the Architects' Department, The Bristol Aeroplane Company Ltd., Bristol, are commencing practice under the style of Taylor and Yandell at 18, Whiteladies Road, Clifton, Bristol, 8 (telephone Bristol 30515).

John King, F.I.Q.S., and Cedric White, A.R.I.C.S., announce that following the retirement of Ronald White, A.R.I.B.A., from the partnership of John King and White, they have taken into partnership Stanley Keen, A.R.I.B.A. The practice will be carried on in the name of John King, White and Keen with offices at 169, Brighton Road, Coulsdon, Surrey; Victoria House, High Street, Croydon; and 26a, Roding Lane, South Ilford.

TRADE

The General Electric Co. Ltd., has established a new sales and distribution area office at Magnet House, Hanger Lane, Ealing, W.5 (telephone Perivale 6691).

John Laing and Son Limited have formed a new associate company, to be known as McKinney Foundations Limited.

Siemens Edison Swan Ltd. London District Office has now moved to Crown House, Aldwych, W.C.2 (telephone Temple Bar 8040).

S. H. Ware & Co. Ltd. have moved their London Offices to 106/108, King Street, Hammersmith, W.6 (telephone Riverside 8727/8).

The new telephone number of P. A. Kreamer, Area Manager (Sales), Thermalite-Ytong Ltd., is Windsor 63319.

Dr. W. Steven, Superintendent of the Development and Research Department Laboratory of The Mond Nickel Co. Ltd. in Birmingham, has been transferred to the Development and Research Division of The International Nickel Co. Inc., New York, as Director of Research. He has also been elected an Assistant Vice-President of that Company.

The Birmingham office of The Ruberoid Co. Ltd. has now moved to Central House, 75, New Street, Birmingham 2 (telephone Midland 3181/2).

The plastic department of Dexion Ltd. has moved from Dexion's Waltham Abbey (Essex) plant to the company's new factory at Hemel Hempstead. The address will be Maylands Avenue, Hemel Hempstead, Herts.

Multiglass Limited have appointed R. J. Bayliss as a Technical Representative.

The Coal Utilisation Council has appointed Donald Outhwaite as regional officer for the North-Western region, which covers Lancashire, Cheshire, the High Peak district, Westmorland and North Wales.

The Glasgow branch of Simplex Electric Co. Ltd. have now changed their address to 16/40, Ruby Street, Glasgow, S.E.

CORRECTIONS

In our issue of April 30 a number of inaccuracies appeared in the cost analyses of three Nottinghamshire schools, which to some extent invalidate the cost comments published. The following corrections should be inserted. *Tuxford:* work below ground level, 2s. 2½d.; areas of partitions, 3-in., 3,798 sq. ft., 6-in., 5,256 sq. ft., glazed screens, 948 sq. ft.; wall finishes, 2s. 5d.; total of finishes, 10s. 2d.; internal plumbing, 1s. 2½d.; drainage, 1s. 6½d. *Retford:* work below ground level, 3s.; windows and ext. doors, 4s. 6½d.; roof, 4s. 8¾d.; total of structural elements, 26s. 5¾d.; fittings, 6s. 6½d.; total of partitions and fittings, 11s. 8¼d.; wall finishes, 2s.; total of finishes, 9s. 8¼d.; sanitary fittings, 8¾d.; total of services, 13s. 4½d. *Newark:* preliminaries, 1s.; frame 8s. 8½d.; windows and ext. doors, 6s. 5½d.; ratio, doors to floor area, 0·0305 to 1; rooflights, 1s. 1½d.; glazing, 1s. 5½d.; total of structural elements, 26s. 10¼d.; internal plumbing, 1s. 7½d.; sanitary fittings, 1s. 3¾d.; total of services, 13s. 6d.; total per sq. ft. of floor area, 67s. 8d.

We regret that the Working Detail published 20.8.59 (Glazed Wall: Offices in Basle) was incorrectly numbered as Walls and Partitions: 82, instead of Walls and Partitions: 83.

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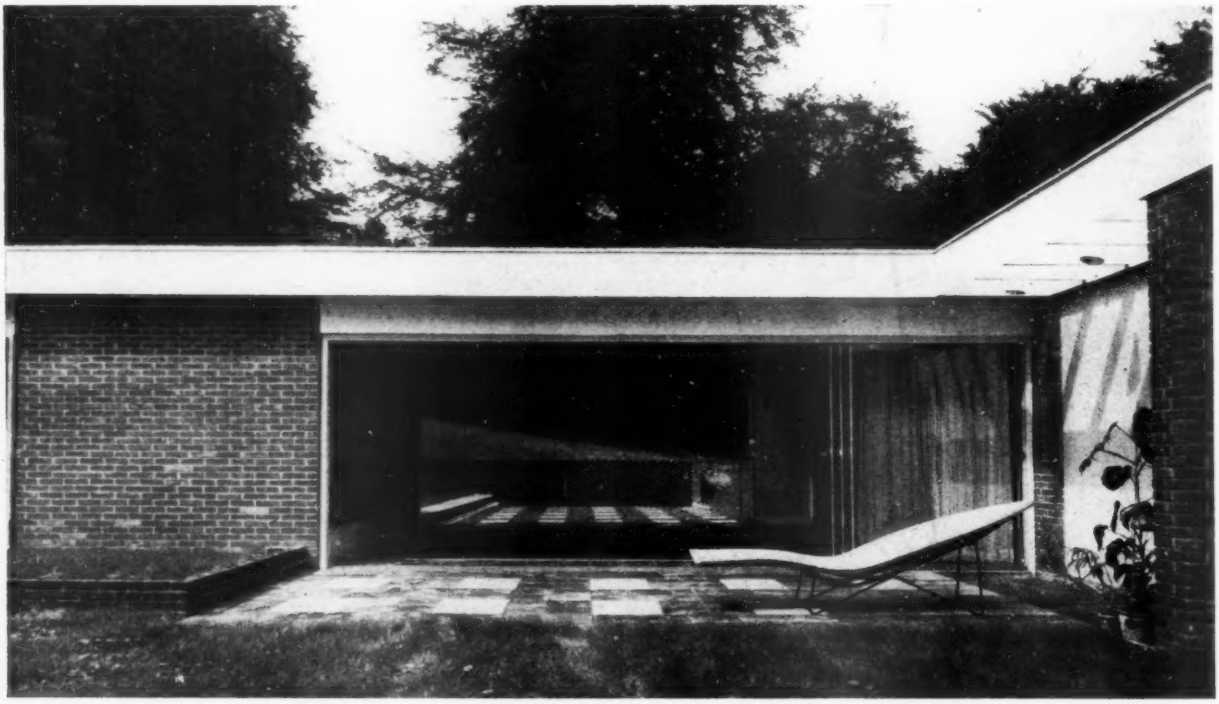
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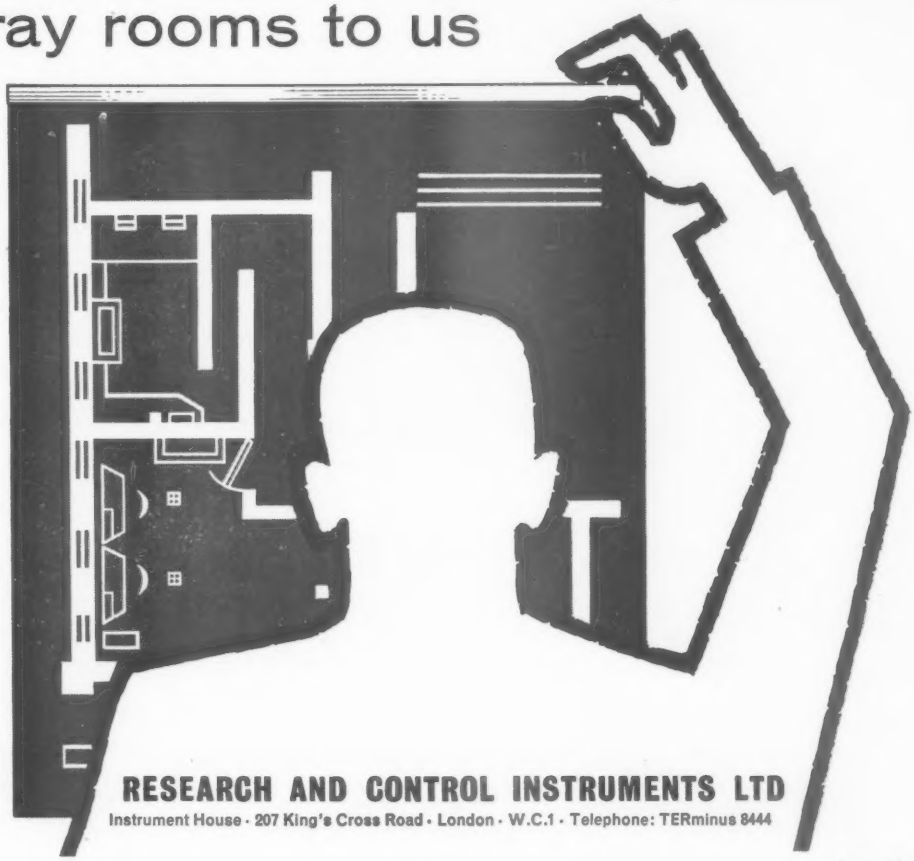
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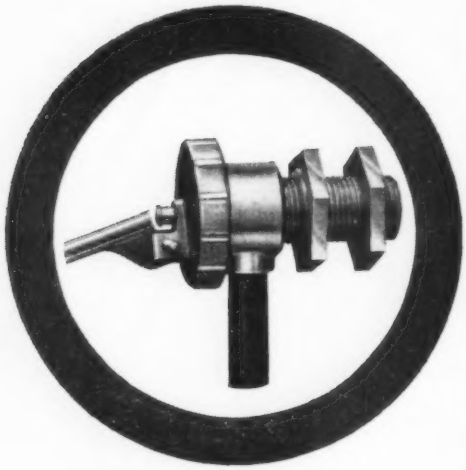


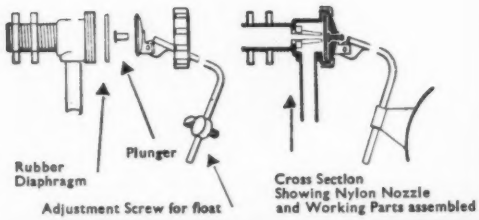
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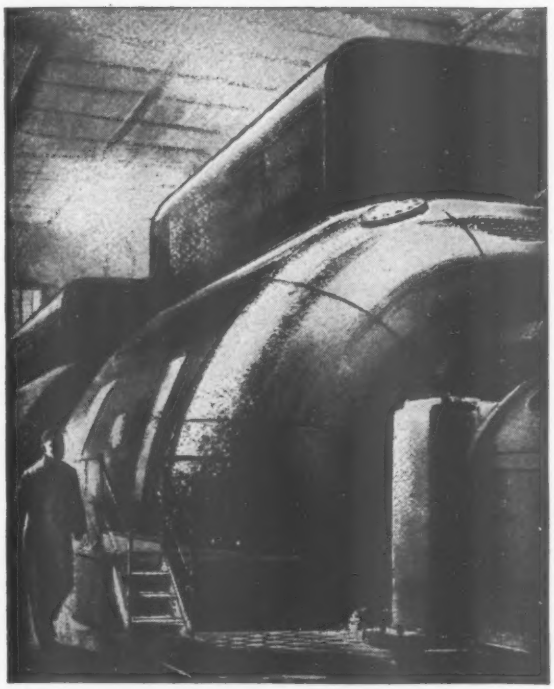
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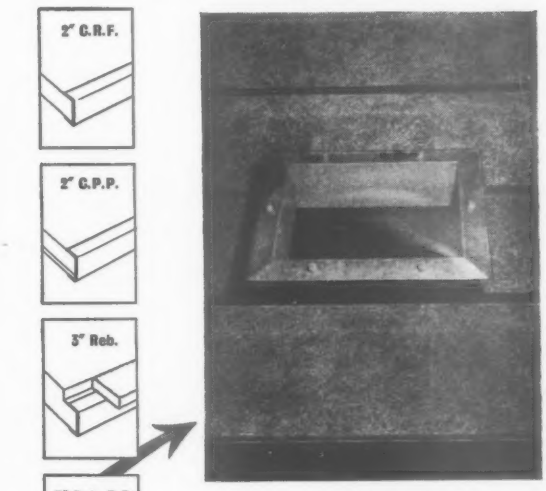
Though these projects will not be completed for some time, the Central Electricity Generating Board plays an important part in today's fight against inflation. Power stations are being built at a cost no greater than in 1948 – £50 per kilowatt installed. And, although the output of the industry has doubled since 1948, the increase in manpower is only about one-third.

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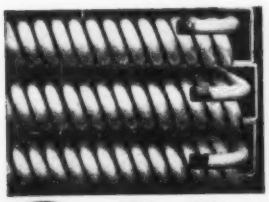
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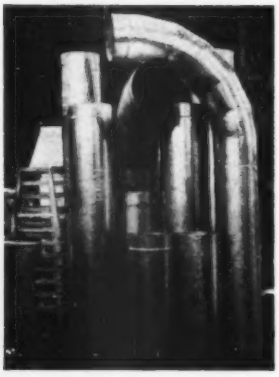
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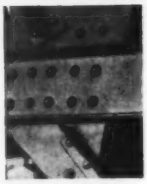
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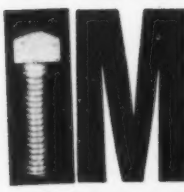
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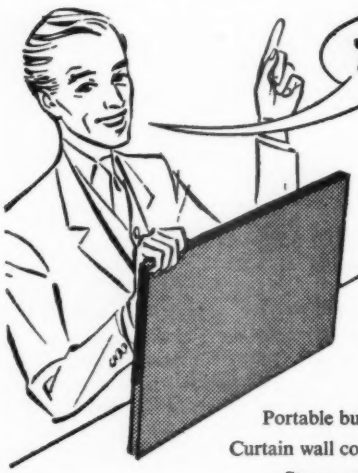
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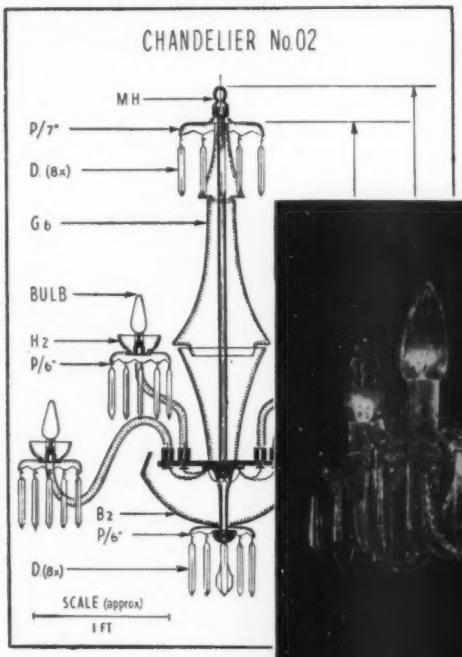
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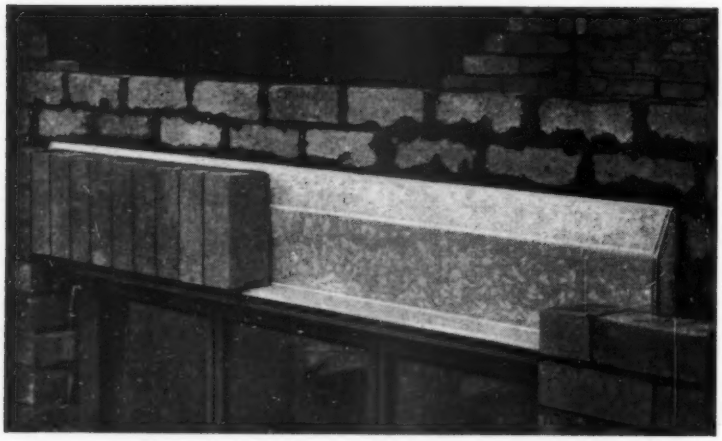
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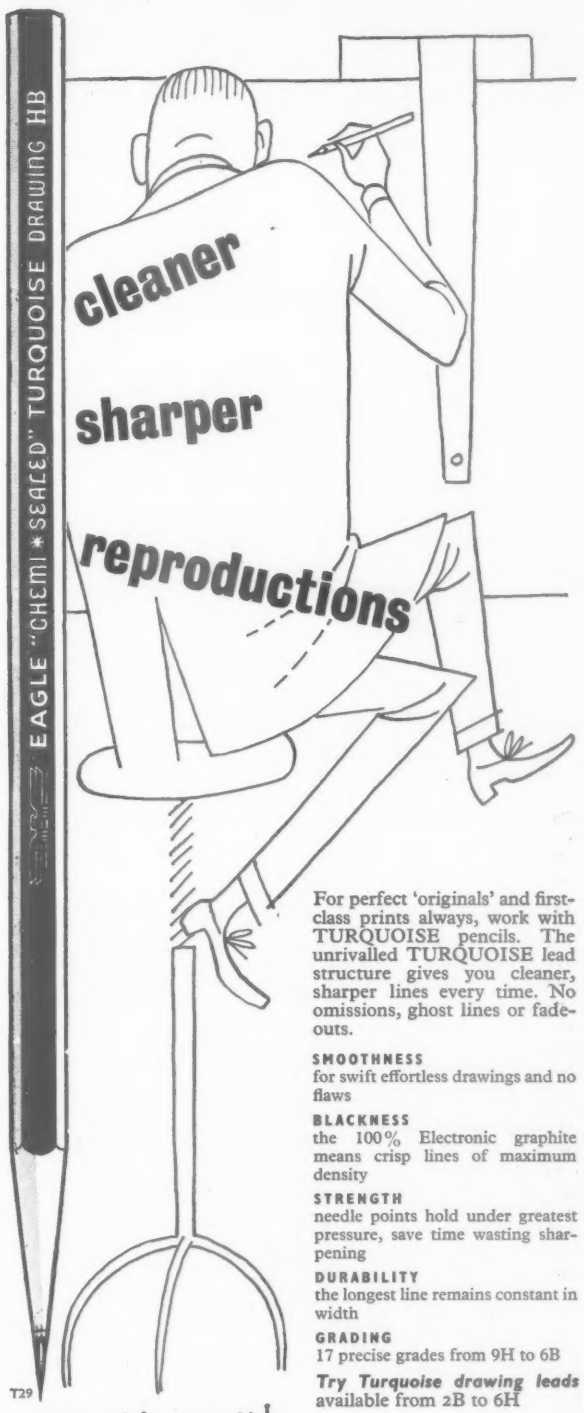
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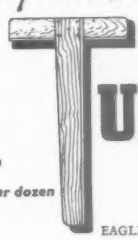
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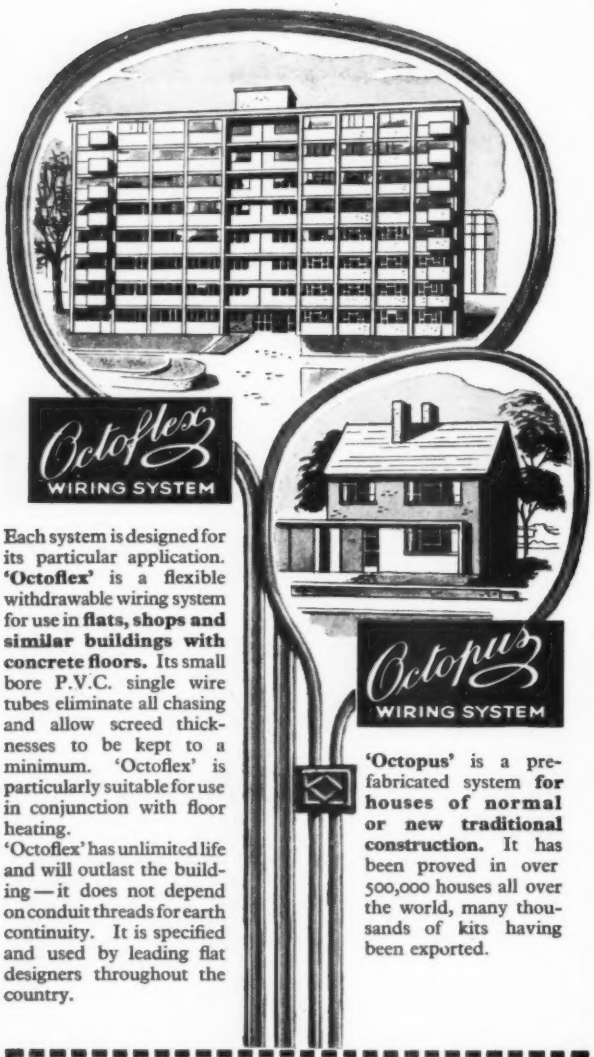
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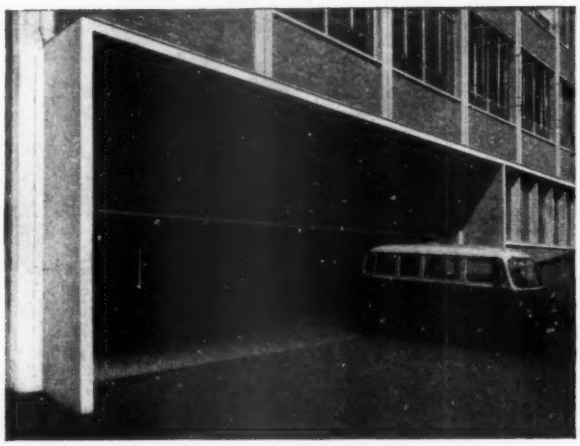
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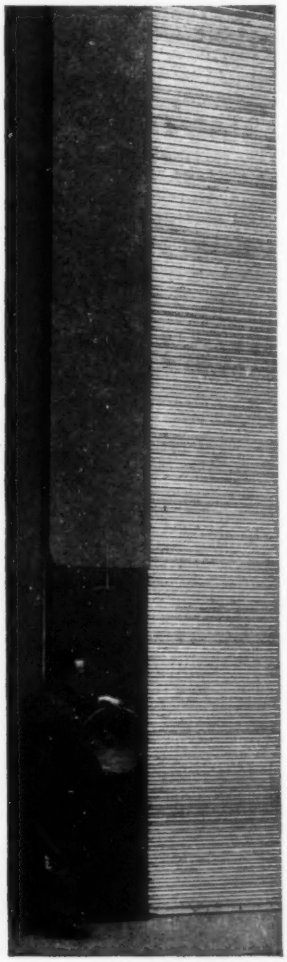
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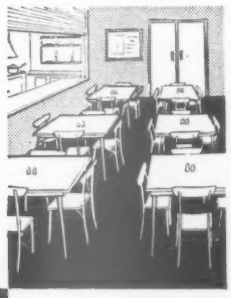
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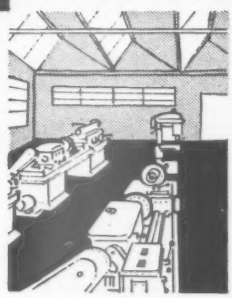
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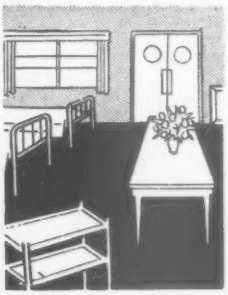
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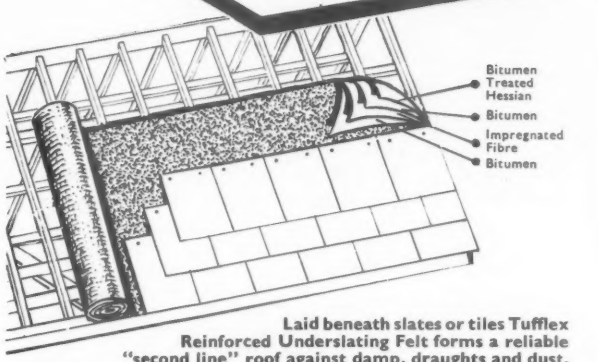
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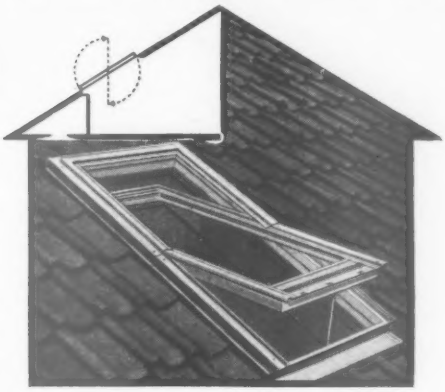
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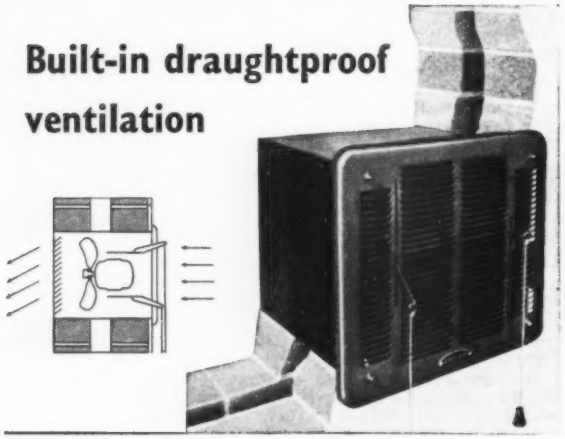
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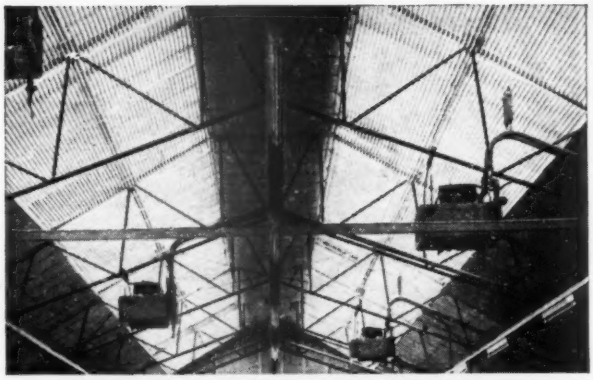
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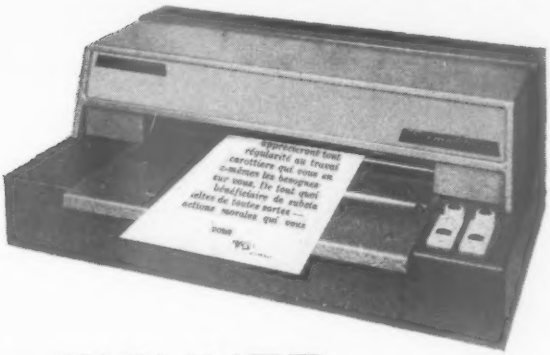
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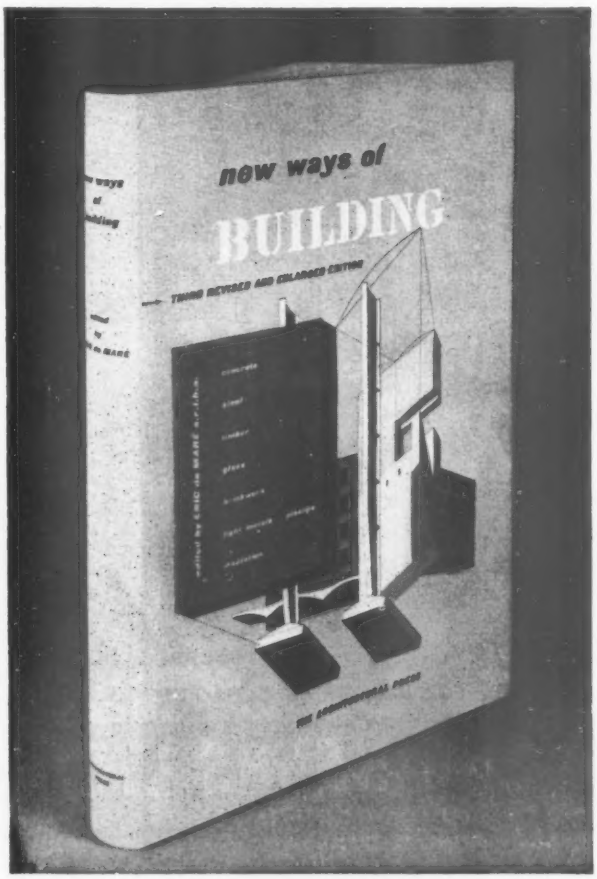
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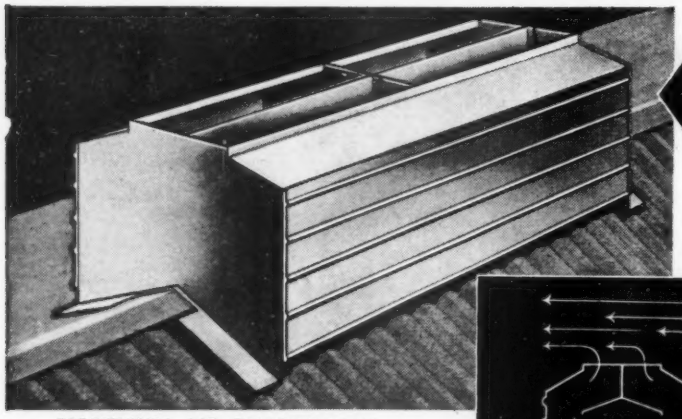
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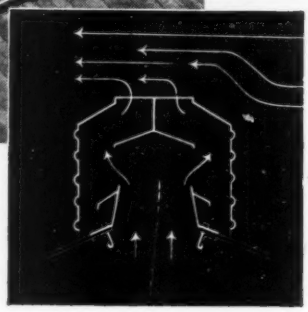


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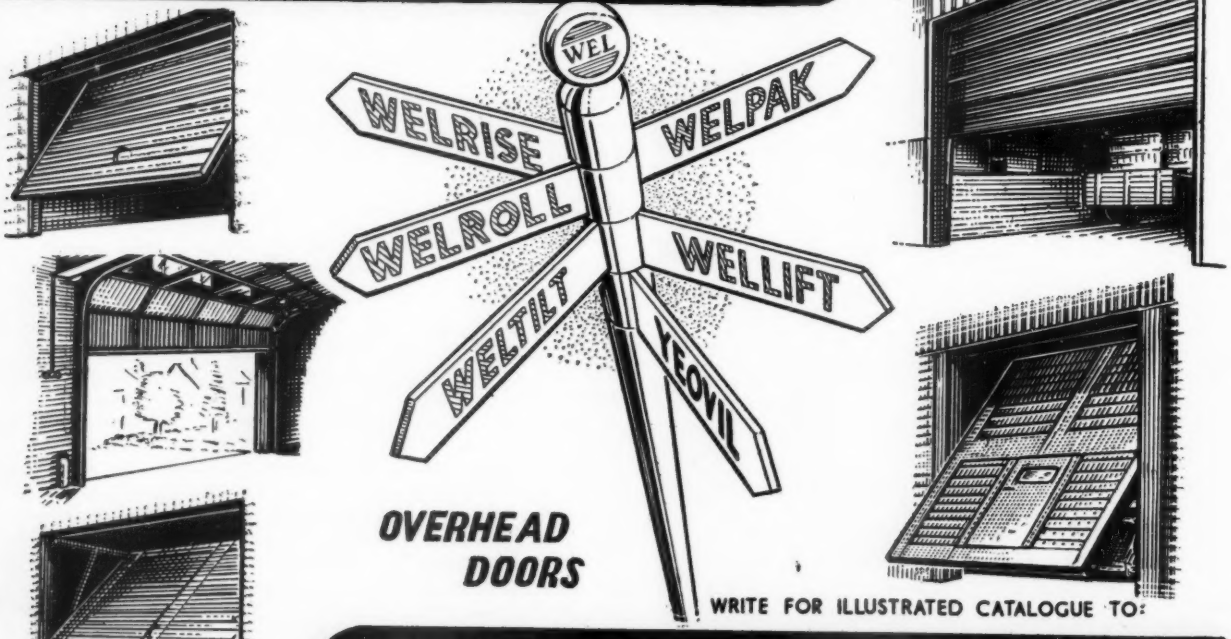
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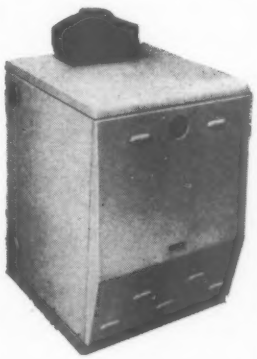
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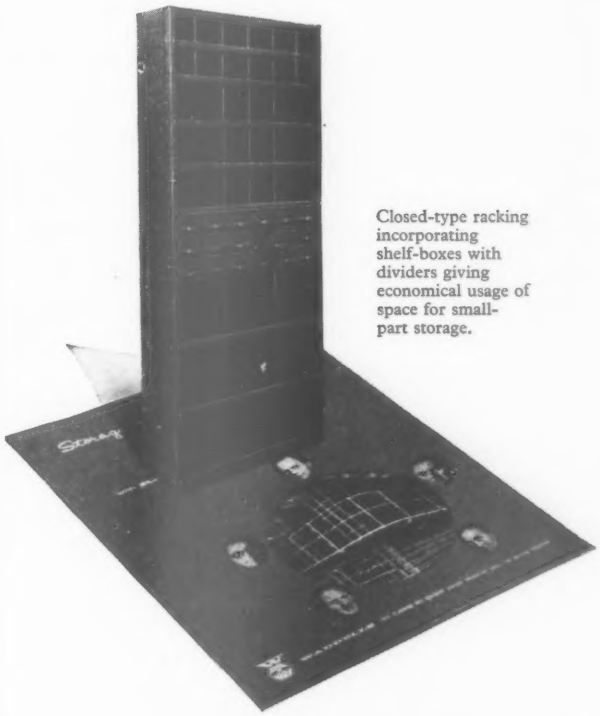
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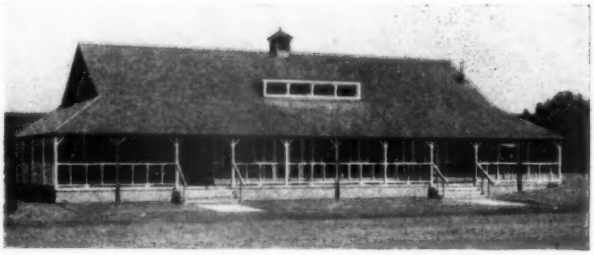
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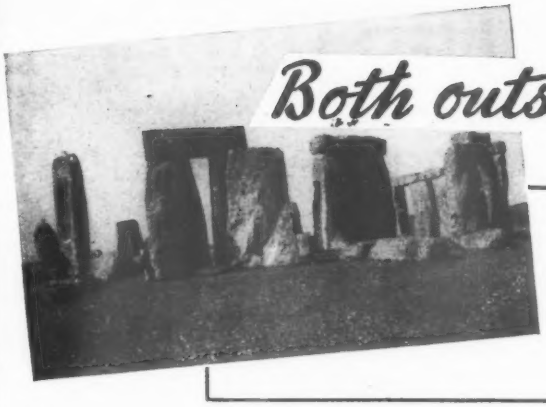
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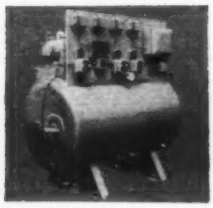
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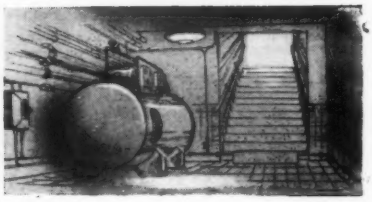
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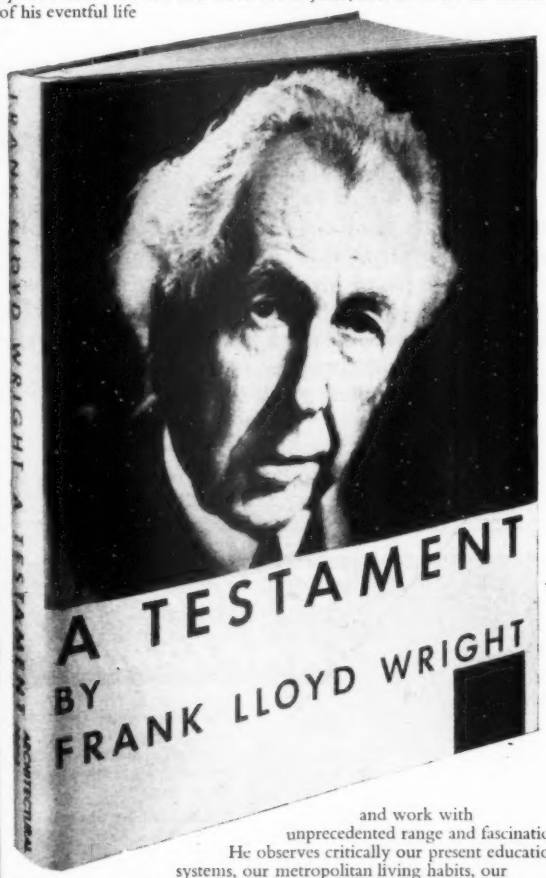
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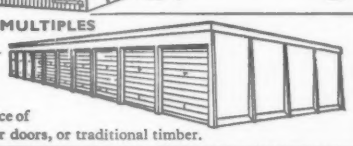
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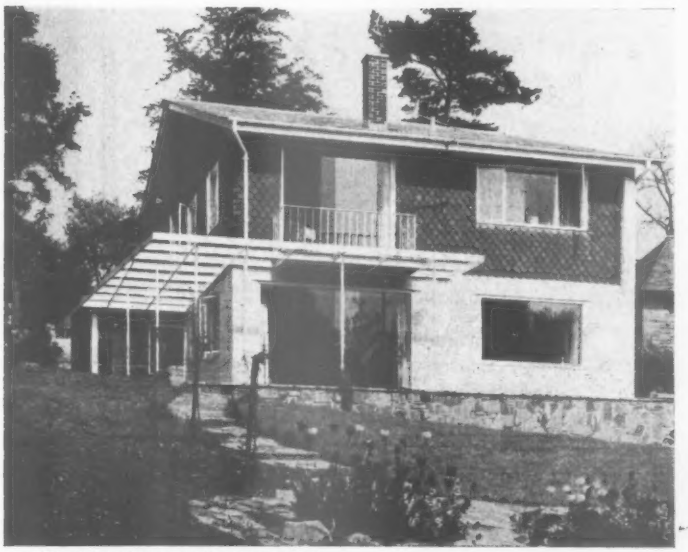
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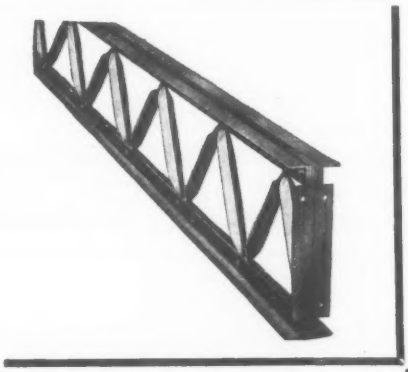
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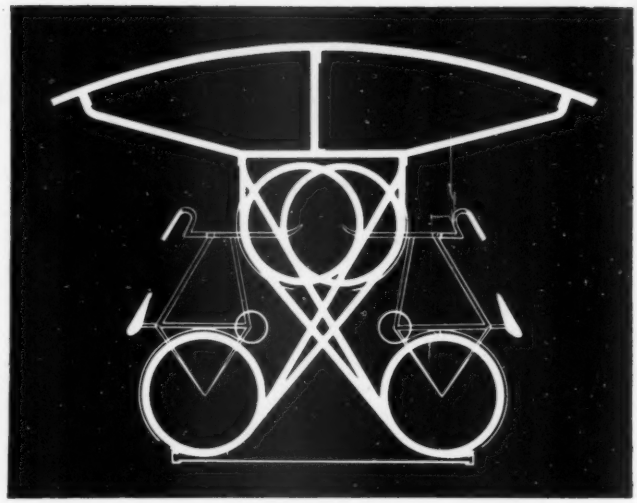
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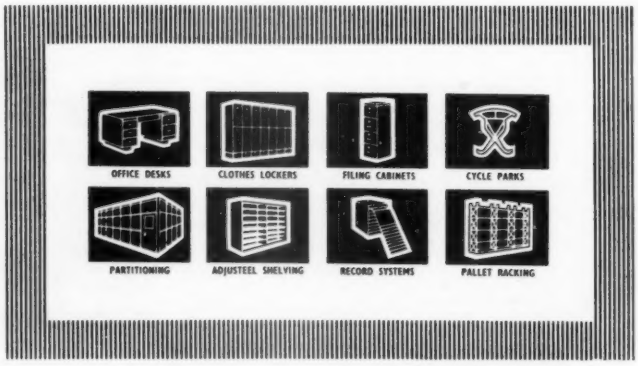
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Advertisements should be addressed to the Advt. Manager, "The Architects' Journal," 9, 11 and 13, Queen Anne's Gate, Westminster, S.W.1, and should reach there by first post on Friday morning for inclusion in the following Thursday's paper.

Replies to Box Numbers should be addressed care of "The Architects' Journal," at the address given above.

AIR-MAIL SERVICE available on request:
In response to requests from a number of Overseas subscribers for air-mail delivery of Public and Official Appointment details and Other Appointments Vacant, we have been pleased to arrange that cuttings of all such classified advertisements appearing in the A.J., shall be despatched by air-mail on Wednesday of each week (one day prior to A.J. publication date). The cost of this special service to Overseas subscribers will be 5s. for four weeks (1s. 3d. for each additional week) and prepayment should be sent by subscribers wishing to take advantage of this service. The charge we are making represents only the actual cost of the postage involved.

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Apply in writing to:—
Room 578,
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New Scotland Yard,
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4812

QUANTITY SURVEYING ASSISTANTS, GRADE III, required by AIR MINISTRY in the PROVINCES. Duties include abstracting and billing, site measurement and preparation of estimates. Commencing salary according to age, qualifications and experience. Salary ranges from £680 at age 26 rising to £850. Candidates must hold O.N.C. (Building or Builders' Quantities) or equivalent and have good experience under Quantity Surveyor or Building Contractor. Knowledge W.D. Schedule an advantage. Promotion and pension prospects. Five-day week, three weeks three days leave a year initially. Appointments carry liability for service anywhere U.K. or overseas. Applicants normally should be natural born British subjects. Write stating age, qualifications and previous appointments, including type of work done, to Manager, P.E. 105, Professional and Executive Register, Ministry of Labour and National Service, Atlantic House, Farringdon Street, E.C.4. No original testimonials should be sent. Only applicants selected for interview will be advised. 4871

CITY AND COUNTY OF
NEWCASTLE-UPON-TYNE
NEW TOWN HALL
The City Council invites Building Contractors possessing substantial organisation who are willing to submit a firm price tender for the construction of the New Town Hall, and who wish to be considered for inclusion in a selected list of Tenderers, to apply in writing in the first instance to the City Architect, 18, Cloth Market, Newcastle-upon-Tyne, 1, for particulars of the scope and magnitude of the work to be carried out.
Applicants must possess the necessary calibre and requisite organisation, together with adequate financial and material reserves, to carry out the work expeditiously and satisfactorily.
Initial applications for more detailed information as to the work to be carried out should reach the City Architect not later than Wednesday the 16th September, 1959.
JOHN ATKINSON,
Town Clerk.
Town Hall,
Newcastle-upon-Tyne, 1. 5374

BIRMINGHAM REGIONAL HOSPITAL BOARD
ARCHITECT'S DEPARTMENT
(a) ASSISTANT ARCHITECTS. £730 × 25 (2) × 30 (2) × 35 (5) × 40 (1)—£1,055—according to age and experience. Applicants must be registered architects having passed requisite examinations. Experience of hospital planning and construction an advantage. Sound knowledge of architectural design, working drawings, surveying and specifications essential.
(b) ARCHITECTURAL ASSISTANTS. Salary scale £545 (at age 21 years or over) × 20 (3) × 25 (4) × 30 (2)—£765. Point of entry according to experience. Intermediate RIBA essential.
All appointments superannuable. 5-day week. Apply stating age and experience to Secretary, 10, Augustus Road, Birmingham 15, by 14th September. 5247

READING
ARCHITECTURAL ASSISTANTS required by Ministry of Works (Home Counties Region). Should be of Intermediate R.I.B.A. standard with keen, modern outlook for work of widely varying and interesting nature. Salary range £530 (age 21) to £850 per annum. Starting pay according to age and qualifications. Prospects of promotion and permanency. 5-day week. Applications stating age, training and experience to E. P. Mills, A.R.I.B.A., Superintending Architect, Ministry of Works, Whiteknights, Reading (reference RD1/AJ2/AA). 5180

METROPOLITAN BOROUGH OF
CAMBERWELL
ASSISTANT ARCHITECTS
(Borough Architect's Department)
Vacancies for Assistant Architects within a salary range of £795 to £1,405. Grade and commencing salary according to qualifications and experience. The work of the Department includes design and construction of public buildings, housing estates, including multi-storey construction.
One appointment is the head of a section responsible for the design and erection of public buildings. The salary for this post is at present £1,170 by four increments of £55 to £1,390 (lettered Grade "A" of the Chief Officers Scales) but consideration will be given to its regrading to lettered Grade "B" (£1,265—£1,485).
Application form from Town Clerk, Town Hall, S.E.5. Closing date 14th September, 1959. 5265

THE UNIVERSITY OF SHEFFIELD
Applications are invited for a newly created CHAIR of BUILDING SCIENCE in the Department of Architecture, to begin duties as soon as possible.
In seeking a Professor of Building Science the University is looking for a candidate who has been trained in some branch of science and has subsequently had experience in a relevant field relating to building, such as for example, Building Materials, Building Services or the Physics of Environment. Alternatively, he might be an Architect with special interest in an experience of scientific aspects of the subject.
Salary £2,450 a year, with F.S.S.U. provision and family allowance.
Further particulars should be obtained from the Registrar to whom applications (20 copies—one only from overseas candidates) should be sent by 17th October, 1959. 5313

COUNCIL OF THE COUNTY OF ABERDEEN
Applications are invited for appointments (2) as ARCHITECTURAL ASSISTANT in the County Architect's Department. Salary £760 × £35-£1,040 per annum. Applicants must be Associates of the Royal Institute of British Architects. The appointments are superannuable. Application forms may be obtained from the undersigned. Closing date—4th September, 1959.
JAMES L. CRAIG,
County Clerk.
County Buildings,
22, Union Terrace,
Aberdeen. 5303

BOROUGH OF EALING
(a) Erection of a Public Convenience, Shelter, Tool Shed, Works Compound and Entrance Gates in Montpelier Park, Montpelier Road, W.5.
(b) Erection of a Shelter with Tool Shed in Fielding Walk, Northcroft Road, W.13.
Tender documents obtainable from the Borough Surveyor, Town Hall, Ealing, W.5, upon payment of £5 returnable on receipt of a bona fide tender.
Tender must be delivered to the Town Clerk, Town Hall, Ealing, W.5, not later than 9.30 a.m. on 30th September, 1959.
E. J. COPE-BROWN,
Town Clerk.
5364

THURROCK U.D.C.
(Engineer & Surveyor's Dept.)
require ARCHITECTURAL ASSISTANT under Architect to the Council. Salary—A.P.T. I/II: £610-£880 p.a. Good architectural experience necessary. Applicants must be capable of preparing working drawings in all categories and should have passed the Intermediate Examination of the R.I.B.A. The Council have interesting projects in hand, including an Indoor Swimming Bath. Appointment pensionable. Applications, stating age, qualifications, and experience, and quoting three referees, to Clerk of the Council, Council Offices, Grays, Essex, by 8th September, 1959. Canvassing disqualifies. Relationship with Members or Senior Officers of the Council must be disclosed. 5355

CITY OF COVENTRY
DEPUTY CITY ARCHITECT AND PLANNING OFFICER, within the scale £1,990—£2,280 p.a.
Applications are invited from architects of creative, technical and organising ability. The Deputy would take charge of development work and the information service, and be responsible for office management and the programming and co-ordination of architectural and planning work.
Direct responsibility would be given for certain other sections of the Department.
Application forms and conditions from City Architect, Bull Yard, Coventry, to be returned by 21st September. 5387

ARCHITECTS
Architects of progressive outlook and interested in contemporary design in the hospital field are invited to apply for the following posts.
(a) PRINCIPAL ASSISTANT ARCHITECT Scale II. Salary £1,195—£1,420 p.a. (temporary appointment).
(b) ASSISTANT ARCHITECT. Salary in the scale £730—£1,055 (permanent appointment).
Both posts are in the Regional Architect's office, (a) being mainly concerned with a large extension to Borocourt Mental Deficiency Hospital, and (b) with general hospital development. Further details may be obtained from the Regional Architect.
Applications, stating the post applied for, and quoting the names of two referees, should be received by the Secretary, Oxford Regional Hospital Board, 43, Banbury Road, Oxford, by 19th September, 1959. 5327

EAST SUFFOLK COUNTY COUNCIL
VACANCIES FOR
ARCHITECTS and ASSISTANTS
Vacancies exist in the County Architect's Department for:—
(a) ARCHITECTS on A.P.T. Grade IV (£1,065—£1,220).
(b) ARCHITECTURAL ASSISTANTS on A.P.T. Grade II (£765—£880).
Applicants for (a) must be qualified architects with good general experience in design and construction, capable of taking charge of large projects with the minimum of supervision.
Applicants for (b) must be good draughtsmen of R.I.B.A. Intermediate standard, who are capable of producing accurate working drawings and specifications, to work as assistants to senior architects.
The posts advertised offer interesting and responsible work in connection with the Council's extensive programme of school and other building.
The starting salary in each case will be fixed according to qualifications and experience; removal expenses will be paid in approved cases. The appointments are subject to the provisions of the Superannuation Acts and the selected candidates will be required to pass a medical examination.
Applications stating age, qualifications, experience and present employment, together with copies of two recent testimonials, must be delivered to the County Architect, Mr. E. J. Cundliffe, A.R.I.B.A., County Hall, Ipswich, by Tuesday, the 15th September, 1959. 5326

BRACKNELL DEVELOPMENT CORPORATION
Applications are invited for the post of JUNIOR ARCHITECTURAL ASSISTANT in the Chief Architect's Department. The salary will be in the General Division (£210-595). Commencing salary will be determined according to experience.
Superannuation Scheme, medical examination. Housing available. Apply by 15th September, 1959, giving age, education and qualifications, experience and appointments held (with dates and salaries), with names of two referees to General Manager (J.A.A.), Bracknell Development Corporation, Farley Hall, Bracknell, Berks. 5390

COUNTY COUNCIL OF THE WEST RIDING
OF YORKSHIRE
OFFICE OF THE COUNTY ARCHITECT
The Council require SENIOR ARCHITECTS in salary grades A.P.T. IV (£1,065—£1,220) and Special Grade (£785—£1,070) for their extensive and interesting building programme which includes schools, colleges, old people's and children's homes, clinics, ambulance, fire and police stations, and other public buildings. Architects appointed will be employed at the Central Office in Wakefield solely upon capital works and will be expected to handle building projects from sketch plans to completion.
Applications are also invited for the undermentioned posts at the Central Office:—
(a) JUNIOR ARCHITECTURAL ASSISTANTS, Grade A.P.T. II. £765—£880.
(b) JUNIOR ARCHITECTURAL ASSISTANTS, Grade A.P.T. I, £610—£765.
Applications to be submitted on forms to be obtained from and returned to the undersigned.
A. W. GLOVER, F.R.I.B.A.,
County Architect.
"Bishopgarth,"
Westfield Road,
Wakefield. 5205

BOROUGH OF WIDNES
BOROUGH ARCHITECT'S DEPARTMENT
ARCHITECTURAL ASSISTANTS
(a) Special Grade (£785—£1,070 per annum).
(b) A.P.T. I (£610—£765 per annum).
Applications are invited for the above vacancies. Candidates for (a) should be registered architects with A.R.I.B.A. qualifications. Housing accommodation available.
Candidates for (b) should have passed the Intermediate R.I.B.A. Examination.
N.J.C. Conditions. Superannuation scheme. 5-day week. Interesting programme of work on Housing, Schools and Public Buildings. Applications, giving two referees to Borough Architect, Brendan House, Widnes Road, Widnes, by 7th September, 1959. Canvassing disqualifies.
FRANK HOWARTH,
Town Clerk.
Town Hall,
Widnes.
15th August, 1959. 5091

BEESTON AND STAPLEFORD URBAN DISTRICT COUNCIL
SENIOR ARCHITECTURAL ASSISTANT

Applications are invited for the above appointment at a salary according to experience in Special Grade (£785—£1,070).

Housing accommodation will be provided if necessary. Candidates must be A.R.I.B.A., with preferably some experience of Municipal Housing.

Applications, stating age, qualifications, with details of training and experience, accompanied by the names of two referees must be received by the Housing Architect, Town Hall, Beeston, Nottingham, not later than the 11th September, 1959.

H. D. JEFFRIES,
Clerk of the Council.

Town Hall,
Beeston,
Nottingham. 5293

BRITISH TRANSPORT COMMISSION
OFFICE OF THE ARCHITECT
SENIOR ASSISTANT ARCHITECT

Salary Range: £1,200—£1,420 p.a.

A.R.I.B.A. essential. Experience in architectural practice: design ability with practical approach to office procedure. Work dealt with covers wide range of large modernisation projects connected with all activities of the Commission.

Superannuation scheme; certain free travel facilities; medical examination. Write stating age, qualification and experience to Director of Establishment, British Transport Commission, 22, Marylebone Road, London, N.W.1, within 14 days. S.A.E. for acknowledgment. 5420

THE ROYAL ARSENAL CO-OPERATIVE SOCIETY LIMITED invites applications for positions now available in the Architects' department.

ARCHITECTURAL ASSISTANT, competent to prepare working drawings for industrial, shop and other premises from preliminary sketch schemes.

SHOP FITTING DRAUGHTSMAN with experience in modern shop equipment and layout with detailed work for contemporary interiors.

Permanent positions with Superannuation Scheme. 5-day week. Salary £689—£819 according to experience.

Apply giving age, experience and qualifications to: The Staff Manager, 71, Powis Street, Woolwich, S.E.18. 5427

SOUTH AUSTRALIAN SCHOOL OF MINES & INDUSTRIES
LECTURERS
in
BUILDING SCIENCE
ARCHITECTURAL SCIENCE
and
STRUCTURAL DESIGN

Applicants should hold a degree or diploma in Architecture, Engineering, or Building Science, and be a corporate member of an appropriate professional body.

Salary range: £1,500—£1,870 Australian, commencing according to qualifications and experience.

Salary increase to a maximum of £A2,050 is open to applicants with special qualifications for research.

The successful applicants will be required to help administer a degree course in Building Technology and certain other courses in Building and Quantity Surveying. They will be required to conduct such classes in courses of Building, Quantity Surveying, Town and Country Planning and Architecture for which they are qualified.

The positions carry liberal sick leave, long service leave, and superannuation benefits.

Applications, with supporting documents and photographs, should reach the Agent General for South Australia, South Australia House, Marble Arch, W.1, not later than 15th September, 1959. 5425

METROPOLITAN BOROUGH OF LAMBETH
BOROUGH ENGINEER'S DEPARTMENT

Applications are invited for the following posts:

SENIOR ASSISTANT ENGINEER (two), commencing salary £1,065 p.a. rising to £1,220 p.a. plus £30 London weighting (A.P.T. IV). Duties include highways reconstruction and building works at depots and other public buildings. Candidates must have a Final professional examination and at least five years' professional experience after date of qualification.

SURVEYING AND ARCHITECTURAL ASSISTANT, salary within Special grade (£785 p.a. rising to £1,070 p.a. plus London weighting). Senior post for construction, repair and maintenance of public buildings, including drawings, specifications and estimates. R.I.C.S. or R.I.B.A. Final.

Lambeth has been developed as a good residential borough. Superannuation scheme; canteen; alternate Saturdays off.

Application forms from Town Clerk, Lambeth Town Hall, Brixton Hill, S.W.2. Closing date: 12th September, 1959. 5346

CITY OF CHESTER
DEPARTMENT OF CITY ENGINEER

Applications are invited for the post of SENIOR ARCHITECTURAL ASSISTANT. Salary within the latest Special Grade. Candidates should have passed the R.I.B.A. Final Examination, should have had good training and be well experienced in re-development work, flat and school design.

Housing accommodation will be available for successful applicant, if required.

Applications with two testimonials should reach City Engineer, 49, Northgate Street, Chester, by Monday, 14th September, 1959. 5487

MONMOUTHSHIRE COUNTY COUNCIL
APPOINTMENT OF ARCHITECTURAL STAFF

Applications are invited for the following appointments in the County Architect's Department under the N.J.C. Conditions as follows:—

(*a*) ASSISTANT ARCHITECTS, Grade A.P.T. IV, salary £1,065—£1,220 per annum.

(*b*) ASSISTANT ARCHITECTS, Special Grade, salary £785—£1,070 per annum.

Forms of Application, particulars of posts and conditions of service can be obtained from the undersigned.

Applications, together with two Testimonials, must be forwarded to Sydney Leyshon, A.R.I.B.A., County Architect, Queen's Hill, Newport, Mon., not later than Saturday, 19th September, 1959

VERNON LAWRENCE,
Clerk of the Council.

County Hall,
Newport,
Mon. 5449

CITY OF SHEFFIELD
APPOINTMENT OF SENIOR GROUP LEADER ARCHITECT (EDUCATION)

Salary Scale—£1,215 × £60 (2) × £55 (2) to £1,445.

Applications are invited for the above mentioned appointment on the permanent staff of the City Architect, Mr. J. L. Womersley, F.R.I.B.A., Dist.T.P., M.T.P.I.

This post ranks next to the Chief Assistant Architect (Education and General) and the successful candidate will be required to deputise for him as the occasion demands on Education work, in addition to taking charge of a group responsible for the design and supervision to completion of major works on new schools and colleges.

Applications stating age, education and training, qualifications, experience, present and past appointments (with dates and salaries) and the names and addresses of persons to whom reference may be made, should reach the undersigned by Monday, 21st September, 1959.

JOHN HEYS,
Town Clerk.
5422

WARWICKSHIRE COUNTY COUNCIL
ARCHITECT'S DEPARTMENT

Applications are invited for the following appointments:—

1. ASSISTANT ARCHITECTS—Special Grade (£785—£1,070).

Applicants must have passed Parts I and II of the R.I.B.A. Final or Special examinations or their equivalent at one of the recognised schools of architecture. The successful applicants will work in teams on large projects, but opportunity will be given to men with enthusiasm and ability to design and carry out smaller projects under a Group Architect.

2. ASSISTANT HEATING ENGINEER—Grade A.P.T. III (£880—£1,065).

Applicants should have had some years in the design of heating and water supplies.

The commencing salary can be within the grade according to ability and experience. Application forms and other conditions applicable to the appointments can be obtained from G. R. Barnsley, F.R.I.B.A., County Architect, Shire Hall, Warwick.

L. EDGAR STEPHENS,
Clerk of the Council.

Shire Hall,
Warwick. 5455

CITY OF MANCHESTER HOUSING DEPARTMENT

Applications are invited from qualified Architects for the following posts:—

(*a*) DEPUTY CHIEF ASSISTANT ARCHITECT (Salary Scale Grade "A") £1,220—£1,390

(*b*) SENIOR ASSISTANT ARCHITECTS (Salary Scale A.P.T. V) £1,220—£1,375.

(*c*) SENIOR ASSISTANT ARCHITECTS (Salary Scale A.P.T. IV) £1,065—£1,220.

Applicants should be good designers interested in taking part in large scale housing projects, including redevelopment of slum clearance areas and overspill schemes.

Assistance may be given with housing accommodation and removal expenses.

Application forms obtainable from the Director of Housing, Town Hall, Manchester 2, returnable by the 21st September, 1959. 5455

GOVERNMENT OF NORTHERN IRELAND
ASSISTANT QUANTITY SURVEYOR

Applications invited from Corporate Members of the Royal Institution of Chartered Surveyors (Quantities) for unestablished post in Chief Quantity Surveyor's Branch, Ministry of Finance. Experience in "taking off" for large building works essential. Salary scale £805—£1,260, entry point according to age and experience. Prospects of establishment. Preference for ex-Servicemen. Application forms, obtainable from Director of Establishments, Room 271, Stormont, Belfast, to be completed and returned by the 25th September, 1959. 5465

LANCASHIRE COUNTY COUNCIL

PLANNING ASSISTANT required at ST. ANNES (£610—£1,070 per annum). Applicants should possess a qualification in planning or architecture. Experience of development control would be an advantage. Commencing and maximum salary according to qualifications and experience.

The successful candidate will be required to own a motor car and use it for official purposes.

Applications giving age, qualifications, present appointment, experience and two referees to the County Planning Officer, East Cliff County Offices, Preston, by 9th September, 1959. 5457

STEPNEY MBC REQUIRES

SENIOR ARCHITECTURAL ASSISTANT, salary £1,095—£1,250 p.a. Applicants must be Members of the R.I.B.A. and experienced in design, construction and administration of large building contracts.

ARCHITECTURAL ASSISTANT (unestablished), salary £640—£1,100, commencing according to qualifications and experience.

TEMPORARY BUILDING SURVEYING ASSISTANT, salary £640—£1,100. Applicants must have suitable qualifications and have had experience in the preparation of drawings and specifications for the improvement and conversion of residential properties.

Particulars and application forms from Town Clerk, 227, Commercial Road, E.1. Closing date 19th September, 1959. 5458

COUNTY BOROUGH OF DERBY
BOROUGH ARCHITECT'S DEPARTMENT

(*a*) SENIOR ASSISTANT ARCHITECT, Special Grade (£785—£1,070 per annum). Qualifications: A.R.I.B.A.

(*b*) ASSISTANT ARCHITECT, A.P.T. Grade I (£610—£765 per annum). Qualifications: Intermediate R.I.B.A.

Commencing salary according to qualifications and experience.

Permanent superannuable appointments, subject to one month's notice and to medical examination. National Conditions of Service.

Application forms obtainable from and to be returned to the Borough Architect, The Council House, Corporation Street, Derby, not later than Monday, 14th September, 1959.

G .H. EMLYN JONES,
Town Clerk.

20th August, 1959. 5384

CITY AND COUNTY OF THE CITY OF LINCOLN
CITY ARCHITECT'S DEPARTMENT

Applications are invited for the undermentioned posts on the established staff of the City Architect, dealing with new housing, schools and general architectural work.

(*a*) ARCHITECTURAL ASSISTANT, A.P.T. II, £765—£880.

(*b*) JUNIOR ARCHITECTURAL ASSISTANT, General Division. Commencing on Scale and rising to £595.

The posts are superannuable and a medical examination is required.

Applications stating age, qualifications and experience, together with the names of two persons to whom reference may be made, should be delivered to Mr. R. R. Alexander, F.R.I.B.A., M.T.P.I., City Architect, Stamp End, Lincoln, not later than 21st September, 1959.

J. HARPER SMITH,
Town Clerk.
5457

HERTFORDSHIRE COUNTY PLANNING DEPARTMENT

ARCHITECTURAL DRAUGHTSMAN, A.P.T. I (£610—£765) required for Design Section. Should have had at least five years' experience as a Planning or Architectural Draughtsman or experience in similar work. Skilled in colouring and freehand lettering. Will work under Senior Art Draughtsman. Permanent post. Forms of application from: The County Planning Officer, County Hall, Hertford, which should be returned not later than 12th September, 1959. 5451

RUTLAND COUNTY COUNCIL

Appointment of ARCHITECTURAL ASSISTANT, A.P.T. Grade II, salary £765 to £880 per annum.

Applications are invited for this post which is subject to the Local Government Superannuation Acts 1937 to 1953 and the National Conditions of Service.

Preference will be given to those holding the Intermediate R.I.B.A. examination.

Particulars of age, experience and qualifications, with names of two referees should be sent to T. Brian Kennedy, A.R.I.B.A., M.T.P.I., County Architect and Planning Officer, Catmose, Oakham, Rutland, not later than Monday, 14th September, 1959.

A. BOND,
Clerk of the County Council.

County Offices,
Catmose,
Oakham, Rutland. 5442

METROPOLITAN BOROUGH OF WANDSWORTH
SENIOR ASSISTANT ARCHITECT

Applications invited for this post, Grade A.P.T. IV—£1,095 rising to £1,250. Applicants must be Associates of the R.I.B.A. with experience in design and planning of multi-storey blocks of flats and supervision of their erection. Forms obtainable from the Borough Engineer must reach me by 17th September.

J. NOEL MARTIN,
Town Clerk.

Municipal Buildings,
Wandsworth, S.W.18. 5437

CHESHIRE COUNTY ARCHITECT'S DEPARTMENT
DISTRICT OFFICE, CHESTER

Applications, on forms obtainable from me, are invited for the following appointments. Five-day week. Canteen facilities are available.

ARCHITECTURAL ASSISTANTS: A.P.T. II, £765 × 1 at £25 and 3 at £30—£880 p.a.

JUNIOR DITTO: A.P.T. I, £610 × 4 at £30 and 1 at £35—£765 p.a.

EDGAR TABERNER, A.R.I.B.A.,
County Architect.

County Hall,
Chester. 5473

some books about gardens

Gardens in the Modern Landscape

by Christopher Tunnard, Associate Professor of City Planning, Yale University.

PROFESSOR TUNNARD TRACES THE HISTORY of the garden in a way that shows its relation to life and landscape, and against this historical background he indicates how modern ideas of town and countryside could give birth to a new conception of landscape and garden planning. Size 9⅞ ins. by 6¾ ins. 184 pages with over 190 illustrations. Second impression of second edition (revised). 18s. 6d. net. Postage 1s. 5d.

Modern Gardens

by Peter Shepheard, A.R.I.B.A., A.M.T.P.I., P.P.I.L.A.

THIS IS THE FIRST BOOK TO DEAL with the design, construction and planting of the modern garden—the garden which is integrally related to modern architecture. It contains many brilliant photographs of gardens from all over the world, some very extensive, others quite small, with plans and details of the materials and plants used. Size 11¼ ins. by 8¾ ins. 144 pages with over 300 halftone and line illustrations. Third impression, 36s. net. Postage 1s. 9d.

The New Small Garden

by Lady Allen of Hurtwood F.I.L.A., and Susan Jellicoe

A PRACTICAL BOOK in which the authors illustrate and describe an expertly made selection of successful and charming small gardens. all designed to provide a maximum of peace and relaxation for a minimum of hard work; and most of them constructed cheaply. Size 8¾ ins. by 5¾ ins. 128 pages with over 130 photographs and plans. 15s. net. Postage 1s. 2d.

Gardens of Japan

by Tetsuro Yoshida

FOLLOWING HIS SUCCESSFUL WORK *The Japanese House and Garden*, Tetsuro Yoshida has here made a superb selection of illustrations of Japanese gardens and, in a lucid and informative text, has analysed them from the point of view of design, emphasizing constantly the immense care and skill devoted to every detail. Size 11 ins. by 8¾ ins. 196 pages, lavishly illustrated, including four plates in colour. 63s. net. Postage 2s.

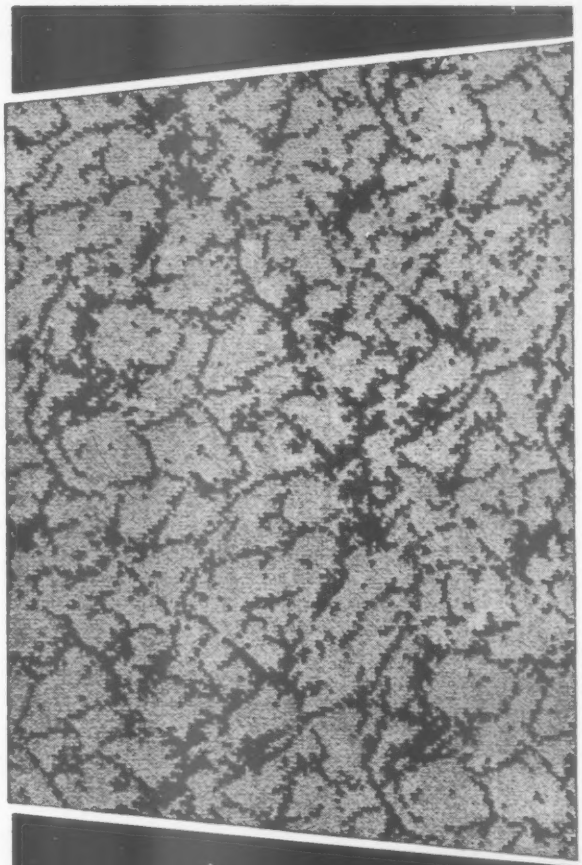
Indoor Plants and Gardens

by Margaret E. Jones and H. F. Clark, edited by Patience Gray and illustrated by Gordon Cullen

THE AUTHORS, ACKNOWLEDGED EXPERTS, deal in a practical way with the selection, cultivation, propagation and decorative use of nearly 100 species; in addition to 34 brilliant plant drawings, the book contains 40 pages of superb photographs with captions in which all the plants are named for easy recognition. Size 8¾ ins. by 5¾ ins. 154 pages. Second impression. 18s. net. Postage 1s.

THE ARCHITECTURAL PRESS

9 Queen Anne's Gate, Westminster, S.W.1



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- All-woollen pile
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If you would like to know more about the Equerry collection a warm welcome awaits you in our Grafton Street Showrooms; or, for further particulars, please write to S. J. Stockwell & Co. (Carpets) Ltd., 16 Grafton Street, London, W.1. Telephone: GROsvenor 4161.

NORTH RIDING COUNTY COUNCIL
COUNTY ARCHITECT'S DEPARTMENT

Applications are invited for the appointment of: ASSISTANT ARCHITECTS, on permanent staff, with Final R.I.B.A. examination. Salary Special Scale (£785—£1,070), point of entry will depend on experience.

Posts superannuable if medically fit. Forms of application not issued. Applications should state age, qualifications and experience, together with particulars of present and previous appointments, and be sent to the Clerk of the County Council, County Hall, Northallerton, by 10th September, 1959. Names and addresses of three referees to be given. Canvassing, directly or indirectly, will be deemed a disqualification and candidates should state in writing whether they are related to any member of, or senior officer under, the Council. 5476

CITY OF CHICHESTER
APPOINTMENT OF GENERAL ASSISTANT

Applications are invited for the above appointment at a salary in accordance with A.P.T. Grade II (£765—£880). Applicants should have passed the Intermediate Examination of the R.I.C.S. or the R.I.B.A.

The person appointed must have a good knowledge of building construction, experience in design, and be fully competent to arrange and supervise building works.

The appointment will be in accordance with the National Conditions of Service and terminable by one month's notice on either side.

Housing accommodation will be provided, if required.

Applications, stating age, education, qualifications, training and experience, present and previous appointments, together with the names of two referees, should reach the City Surveyor, Greyfriars, North Street, Chichester, by 17th September, 1959.

ERIC BANKS,
Town Clerk.
5486

ROYAL WEST OF ENGLAND ACADEMY
SCHOOL OF ARCHITECTURE, BRISTOL

The School Council invite applications for the post of DEPUTY PRINCIPAL with special responsibility for construction. Applicants should have had some years of professional and teaching experience and preferably the Degree or Diploma of a recognised School of Architecture. Salary £1,375 × £50—£1,525. There will be pay for additional services which could amount to £50—£100.

Applications, giving full particulars and stating the names of two referees, should be made to the Hon. Secretary to the School Council, 23, Berkeley Square, Bristol, 8, by 21st September. 1959. 5484

LINDSEY COUNTY COUNCIL
PLANNING DEPARTMENT

Applications are invited for the appointment of SENIOR PLANNING ASSISTANT—Special Grade, £785—£1,070 per annum. Applicants must have passed Final examination of T.P.I. and have had in addition to training at least two years' experience in a county planning department. The appointment is in the Development Plan section. Car allowance. Commencing salary will have regard to qualifications and experience. Superannuation and N.J.C. conditions of service as approved by the County Council. Canvassing will disqualify. Relationship to any member or senior officer of the Council to be disclosed in writing by applicants.

Applications with particulars of training, experience and names of two referees to County Planning Officer, County Offices, Lincoln, not later than 24th September, 1959. 5417

LINDSEY (LINCOLNSHIRE) COUNTY COUNCIL
ARCHITECT'S DEPARTMENT

Interesting and expanding programme of work requires the following on the permanent staff:—

(*a*) ASSISTANTS with Final qualification Special Grade (£785—£1,070), or Intermediate R.I.B.A. Grade A.P.T. II (£765—£880).

(*b*) ENGINEERING CLERK OF WORKS, Grade A.P.T. II (£765—£880 with car allowance). Should have a sound, practical knowledge and be capable of supervising contracts for both heating and electrical work, and preparing requirements for small alterations and additions and taking charge of maintenance.

Salary at starting point within the grade dependent upon qualifications and experience. N.J.C. Conditions of Service. Canvassing will disqualify. Candidates must disclose in writing whether to their knowledge they are related to any member or Senior Officer of the Council.

Applications, stating post applied for and salary required, giving age, qualifications, experience, present post and salary, and the names of at least two persons to whom reference can be made, to be sent not later than 17th September, 1959, to the County Architect, County Offices, Lincoln. 5471

HEREFORDSHIRE COUNTY COUNCIL
SENIOR ASSISTANT ARCHITECT required on A.P.T. IV (£1,065 to £1,220 per annum). Must be A.R.I.B.A.

Superannuated post, subject to medical examination, and one month's notice either side. Travel and subsistence payable to married men in certain cases for limited period.

Application forms from County Architect, Bath Street, Hereford, to be submitted by 23rd September, 1959. 5460

HORNCHURCH URBAN DISTRICT COUNCIL
ENGINEER AND SURVEYOR'S DEPARTMENT
ARCHITECTURAL ASSISTANT
Grade A.P.T. I (£610—£765)

Applications are invited for the above permanent appointment at a salary in accordance with Grade A.P.T. I (£610—£765). In addition, a plusage equivaent to that of London weighting will be paid.

Applicants should have had suitable practical training and be probationers and studying for the Intermediate of the R.I.B.A.

The appointment will be subject to the Local Government Superannuation Acts, the National Scheme of Conditions of Service and the passing of a medical examination.

Application forms may be obtained from and must be returned to the undersigned not later than 9th September, 1959.

P. L. COX,
Clerk of the Council.

Council Offices,
Billet Lane,
Hornchurch,
Essex. 5485

METROPOLITAN BOROUGH OF BATTERSEA
BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT

Applications are invited for the permanent appointment of SENIOR QUANTITY SURVEYOR, Grade A.P.T. IV (£1,065—£1,220), plus London weighting 21 and under 26, £20 p.a.; 26 and over, £30 p.a.

Applicants should have experience in taking off and preparing bills for new works and alterations and must be Corporate Members of the Royal Institute of Chartered Surveyors (Quantities sub-division).

Previous experience in local government will be an advantage but is not essential. The point of entry within the grade may be fixed above the minimum.

Application forms from the Borough Engineer and Surveyor, Town Hall, S.W.11. Closing date 21st September, 1959. 5472

DURHAM COUNTY COUNCIL
ARCHITECT'S DEPARTMENT
ARCHITECTURAL ASSISTANTS—

A.P.T. IV—£1,065 to £1,220. A.R.I.B.A. with adequate experience.

Special Grade—£785—£1,070. Qualified.

A.P.T. II—£765—£880.

Forms and further particulars from the County Architect, South Street, Durham. Closing date 12th September, 1959. Canvassing members of the Council is prohibited.

J. K. HOPE,
Clerk of the County Council.
5506



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Dept. RK61

WOODWORM & DRY ROT CENTRE

23 Bedford Sq., London, W.C.1. Phone LANgham 5455
or see telephone directory for local centres

UNIVERSITY OF ST. ANDREWS

Applications are invited for the following appointments in the office of the Resident Architect.

1. ASSISTANT ARCHITECT. To assist the Resident Architect in the administrative and technical control of major building projects and act as his deputy when necessary; to advise on lesser projects and to perform full or partial architectural services in certain of these; to make surveys and reports, prepare schedules of accommodation, furniture and fittings, attend to routine records, etc. The successful applicant will work mainly in Queen's College, Dundee, and will be expected to reside in that locality. Salary scale £1,050 × £50—£1,350, starting point to be agreed; superannuable; family allowance; grant towards removal expenses.

Applicants should be registered architects with at least six years' qualified experience, preferably in the university field; familiarity with Scottish methods and procedure will be counted an advantage.

2. DRAUGHTSMAN. To assist senior staff in general drawing office duties, surveys, records, etc.; to work mainly in St. Andrews and to reside in that locality. Fixed salary £600.

Applicants should have reached Intermediate standard and possess office experience.

Initial applications for both posts, giving age and summary of education, training, qualifications and experience, should be sent to the Joint Clerk to the University Court, College Gate, St. Andrews, Fife. 5039

COUNTY OF LINCOLN—PARTS OF KESTEVEN
COUNTY ARCHITECT'S DEPARTMENT
TWO ARCHITECTURAL ASSISTANTS

Special Grade (£785—£1,070)

Full particulars of the above appointments may be obtained from the County Architect, County Offices, Sleaford, Lincs.

Applications from suitably qualified persons, giving the names and addresses of two referees, should reach the undersigned not later than the 2nd October, 1959.

J. E. BLOW,
Clerk of the County Council.

County Offices,
Sleaford, Lincs. 5508

WARWICKSHIRE COUNTY COUNCIL
ARCHITECT'S DEPARTMENT

Appointment of SENIOR ACCOUNTS CLERK, Grade A.P.T. III (£880—£1,065).

Applicants must hold the Higher National Certificate in Building or have passed the Final examination of the Institute of Cost and Works Accountants, or possess a qualification approved by the National Joint Council for Local Authorities as an alternative.

Applicants should have a sound knowledge of building accounts and previous service in a quantity surveyor's or builder's office will be an advantage. The person appointed will be responsible for the running of the accounts section and experience in keeping contract account records, checking certificates and recording maintenance accounts, is essential.

The commencing salary can be within the grade according to ability and experience. Application forms and other conditions applicable to the appointment can be obtained from G. R. Barnsley, F.R.I.B.A., County Architect, Shire Hall, Warwick. (Former applicants need not reapply.)

L. EDGAR STEPHENS,
Clerk of the Council.

Shire Hall,
Warwick. 5505

SOUTH WEST METROPOLITAN REGIONAL HOSPITAL BOARD

Applications are invited for the appointment of a SENIOR ASSISTANT ARCHITECT on the permanent staff of the Board's Regional Architect, generally in accordance with Whitley Council conditions of service.

The Board is undertaking a considerable programme of hospital development and the person appointed would be engaged on varied and interesting work in connection with major projects in this programme.

Applicants must be associate members of the Royal Institute of British Architects and should have had considerable experience in preparing working and detailed drawings and specifications and supervising work on individual projects. In addition, applicants should have enthusiasm for hospital work and experience in contemporary construction and design. Previous experience of hospital planning and construction would be an advantage but is not necessary. The post offers a good opportunity to anyone wishing to gain experience in this field.

Salary:—£1,050 p.a. × £30 (3) × £35 (3)—£1,245 p.a. plus £50 p.a. London weighting allowance.

Applicants should state age, experience, qualifications, present appointment and salary, together with the names of three referees, and should be sent to the undersigned at 40, Eastbourne Terrace, London, W.2, by not later than 14th September.

E. G. BRAITHWAITE,
Secretary. 5504

LONDON COUNTY COUNCIL

ARCHITECTURAL ASSISTANTS required up to £895. Full and interesting programme of houses, flats, schools and general buildings. Application form and particulars from Hubert Bennett, F.R.I.B.A., Architect to Council, AR/EK/43/59, County Hall, S.E.1. (923.) 5052

MIDDLESEX COUNTY COUNCIL

Vacancies exist for ASSISTANT ARCHITECTS who have passed the R.I.B.A. Final Examinations, for interesting work on Schools, Technical Colleges and other buildings, under the direction of Mr. Whitfield Lewis, A.R.I.B.A., the County Architect. Salaries up to £1,100 p.a. on established staff, subject to medical fitness.

Vacancies also exist for JUNIOR ARCHITECTURAL ASSISTANTS, A.P.T. I (£640 to £795 p.a. if over 26).

All posts: prescribed conditions: application forms (s.a. f'scap. e.) from the County Architect, 1, Queen Anne's Gate Buildings, Dartmouth, Street, S.W.1, returnable within 10 days. (Quote B.63 AJ.) 5501

HAMPSHIRE COUNTY COUNCIL

TECHNICAL ASSISTANT required for pensionable post in North-East Area Planning Office at Basingstoke, A.P.T. II (£765—£880). Candidates should have passed the Intermediate Examination of the R.I.B.A. or of the T.P.I., and have had architectural experience in the Planning Department of a Local Authority. In approved cases, the County Council assist with removal and other expenses.

Applications, stating age, education, qualifications and experience, together with a copy of one testimonial and the names of two referees, should reach the Clerk of the County Council, The Castle, Winchester, by 16th September. 5498

THE ROYAL INSTITUTION OF CHARTERED SURVEYORS
JUNIOR ORGANISATION

ORDINARY GENERAL MEETING, THURSDAY, 24TH SEPTEMBER

The above meeting will be held at the Institution commencing at 6.15 p.m. Tea from 5.30 p.m. Mr. I. L. Brown, Appointments Officer of the Institution, will speak on "The Young Surveyor—Supply and Demand." Mr. R. C. Walmsley (Member of Council) in the Chair. No tickets required.

ORDINARY GENERAL MEETING, THURSDAY, 29TH OCTOBER

This meeting is arranged by the Junior Organisation Quantity Surveyors' Committee at the Victoria Coach Station Restaurant. Mr. W. V. B. Reid, B.Sc. (Econ.), F.C.I.S., will be speaking on "Insurance in the Building Industry." Mr. Cyril Sweett (Fellow) will take the Chair. Meeting commences at 7.40 p.m., preceded by meal at 6.30 p.m. Admission by ticket only; applications to Mr. J. Bryden, A.R.I.C.S., c/o Messrs. Gardiner & Theobald, 49, Bedford Square, W.C.1, stating whether dining or non-dining tickets are required and enclosing 7s. 6d. for dining tickets. 5494

LONDON COUNTY COUNCIL

ARCHITECTS, Grade III (up to £1,135, commencing according to qualifications and experience), for Housing, Schools and General Divisions. Full varied programme of new work including Schools, Multi-storey Flats and Town Development. Particulars and application form from Hubert Bennett, F.R.I.B.A., Architect to Council, AR/EK/57/59, County Hall, S.E.1. (1132.) 4615

NORTH WEST METROPOLITAN REGIONAL HOSPITAL BOARD

ASSISTANT ARCHITECT required—good experience of design and construction necessary in hospital work. Applicants must be Associate Members of R.I.B.A. Salary scale: £730 × £25 (2) × £30 (2) × £35 (5) × £40 (1)—£1,055 plus £20—£30 London weighting. *Reference* 764.

ARCHITECTURAL ASSISTANTS also required. Applicants must have Intermediate R.I.B.A. Salary scale: £545 (age 21) × £20 (3) × £25 (4) × £30 (2)—£765 plus £20—£30 London weighting. *Reference* 765.

Commencing salary above minimum may be paid according to relevant practical experience appropriate to the posts. Whitley Council conditions, superannuable.

Apply, stating age, qualifications (with dates) and experience, together with names of two referees, to Secretary, North West Metropolitan Regional Hospital Board, 40, Eastbourne Terrace, W.2, by 17th September, quoting appropriate reference number. 5490

COUNTY BOROUGH OF CROYDON
ARCHITECTURAL STAFF

Applications are invited for the undermentioned appointments for the Corporation's Housing and General Architectural work, which includes a variety of interesting projects:

(*a*) SENIOR ASSISTANT ARCHITECT, R.I.B.A. Final required, salary on the scale A.P.T. IV, £1,095 to £1,250 p.a., commencing according to experience.

(*b*) ARCHITECTURAL ASSISTANTS. Commencing salary according to experience between £630 and £795 p.a., or with R.I.B.A. Intermediate, between £785 and £910 p.a., both progressing to £1,100 with Final qualification.

Further particulars and application form from the Borough Engineer, Town Hall, Croydon. Closing date 21st September, 1959.

E. TABERNER,
Town Clerk. 5400

CHANGE OF ADDRESS
SOMERSET COUNTY COUNCIL
COUNTY ARCHITECT

As and from the 1st October, 1959, the County Architect's Department will be housed in new premises and all correspondence should be addressed to: The County Architect, County Architect's Department, The Crescent, Taunton, Somerset. Telephone: Taunton 3451. 5467

ELSTREE RURAL DISTRICT COUNCIL
APPOINTMENT OF TEMPORARY ARCHITECTURAL ASSISTANT

Applications are invited for the above temporary appointment in the Department of the Engineer & Surveyor, for a period of not less than two years, on work in connection with the design and erection of a proposed Public Hall and Covered Swimming Pool.

Salary within Special Grade, £785 to £1,070 plus London weighting, the commencing salary to depend upon experience.

Candidates should have passed the Final Examination of the R.I.B.A. or equivalent.

The appointment will be subject to the National Scheme of Conditions of Service; the provisions of the Local Government Superannuation Acts, 1937-1953 and will be determinable by one month's notice, in writing, on either side. The successful candidate will be required to pass a medical examination.

Relationship to any Member or Officer of the Council must be disclosed and canvassing directly or indirectly will disqualify.

Applications stating age, qualifications and experience, together with the names and addresses of two referees, should be sent in an envelope endorsed "Architectural Assistant" so as to reach the Engineer & Surveyor at these Offices not later than Friday, 11th September, 1959.

A. LANCASHIRE,
Clerk of the Council.

Council Offices,
Shenley Road,
Boreham Wood, Herts.
27th August, 1959. 5415

NORTH WEST METROPOLITAN REGIONAL HOSPITAL BOARD

JUNIOR for Architect's Department required. Boy or girl wishing to make architecture his/her career and who intends to obtain qualifications.

Salary according to age within scale: Men £205—£485; Women £199—£485.

Apply, giving age, education and experience (if any), with names of two referees, to Secretary, North West Metropolitan Regional Hospital Board, 40, Eastbourne Terrace, W.2, by 17th September, *quoting reference* 766. 5491

LONDON COUNTY COUNCIL
ARCHITECT'S DEPARTMENT
QUANTITIES DIVISION

Applications are invited, particularly from newly qualified Surveyors, to fill vacancies affording an opportunity for interesting and rewarding careers in a variety of branches of quantity surveying. The positions include the following types of work:

Junior taking-off/working-up.
Approximate estimating and assisting in cost planning.
Pricing bills of quantities for estimates comparable with tenders
Preparation and settlement of final accounts for major building contracts including interim valuations.
Measurement of minor works, schedule accounts, etc.
General technical duties and working-up.

Salaries up to £1,135 p.a.

Application form and particulars from Hubert Bennett, F.R.I.B.A., Architect to the Council, County Hall, S.E.1, quoting ref. AR/EK/75/59. (1746) 5401

BOROUGH OF SCARBOROUGH
BOROUGH AND WATER ENGINEER'S DEPARTMENT

Applications are invited for the post of ARCHITECTURAL ASSISTANT, Grade A.P.T. II (£765—£880). Applicants should have passed the Intermediate R.I.B.A. Examination or its equivalent at one of the recognised schools of Architecture.

The appointment is subject to the provisions of the Local Government Superannuation Acts, 1937/1953, and to the passing of a medical examination, and will be terminable by one month's notice on either side. In appropriate cases the Council will assist in the provision of housing accommodation.

Applications in envelopes endorsed "Architectural Assistant," stating age, present and previous appointments, training, qualifications and experience, together with the names of two referees, must be delivered to the undersigned not later than the 17th September, 1959.

V. FORSHAW,
Borough and Water Engineer.

Town Hall,
Scarborough.
August, 1959. 5402

CARDIGANSHIRE COUNTY COUNCIL

Applications are invited for the post of PRINCIPAL ASSISTANT ARCHITECT (A.P.T. Grade IV, £1,065 × £55 (1) × £50 (2)—£1,220) in the County Architect's Department, County Hall, Aberayron.

Applicants should be Members of the R.I.BA., with good experience in the design and construction of modern buildings.

The successful person will be in charge of the Drawing Office and will have general responsibility for the Department in the absence of the County Architect and his Deputy.

Forms of application and further details obtainable from the County Architect.

Applications to be returned to the undersigned by not later than 21st September, 1959.

J. E. R. CARSON,
Clerk of the Cardiganshire County Council.

Swyddfa'r Sir,
Marine Terrace,
Aberystwyth,
Cards. 5413

CITY OF LIVERPOOL
ARCHITECTURAL AND HOUSING DEPARTMENT

Applications are invited for the appointment of ARCHITECTS in the various architectural sections of the Department. These appointments offer a wide variety of opportunity and scope for personal initiative:—

(*a*) General Architectural work, including educational buildings (Scale A and A.P.T. V.)
(*b*) Housing Section, including multi-storey projects. (Scale B and A.P.T. V.)
(*c*) Redevelopment Section, including civic design and slum clearance projects. (Scale B, Scale A and A.P.T. V.)

Salaries:—
£1,265 to £1,485 per annum (Scale B).
£1,255 to £1,390 per annum (Scale A).
£1,220 to £1,375 per annum (A.P.T. V).

Applicants, who should be Associates of the R.I.B.A. or hold equivalent qualifications, should state the grading of the post for which they wish to apply, also any preference for appointment to one of the three sections.

Application forms, returnable by 21st September, 1959, from The City Architect and Director of Housing, Blackburn Chambers, Dale Street, Liverpool, 2.

The appointments are superannuable and subject to the Standing Orders of the City Council. Canvassing disqualifies.

THOMAS ALKER.
Town Clerk.
(J.5805) 5416

ASSISTANT ARCHITECTS are required in the Architect's Office of British Railways, York. Preference will be given to holders of A.R.I.B.A. or who have early prospects of qualifying. Salary range £833—£985 according to age, experience and ability. Applications, stating age, qualifications and experience, to Chief Civil Engineer, North Eastern Region, British Railways, York. 5480

SCOTTISH SPECIAL HOUSING ASSOCIATION LIMITED invite applications for the following superannuable posts:—

ARCHITECT, GRADE I. Salary Scale £1,180-£1,390 per annum, minimum age 35 years. To be responsible for preparation of large scale housing layouts and site supervision.

ARCHITECT GRADE II. Salary Scale £780-£1,134 per annum with placing for age on entry up to £990 at age 31. To act as assistant to Grade I Architect.

A house may be available if required. Application forms with full particulars from the Secretary, 19, Palmerston Place, Edinburgh, 12. 5512

CITY AND COUNTY OF NEWCASTLE-UPON-TYNE
CITY ARCHITECT'S DEPARTMENT

The City Architect will be pleased to receive applications from suitably qualified persons for the following ARCHITECTURAL vacancies in his Department:—

NEW TOWN HALL SECTION: A.P.T. IV.
GENERAL SECTION: Special Class: A.P.T.II and A.P.T. I.
EDUCATION SECTION: Special Class: A.P.T. II.
HOUSING SECTION: A.P.T. IV: Special Class.
REHOUSING SECTION: A.P.T. IV: A.P.T. II.

The salaries applicable to te above grades are:—
A.P.T. IV: £1,065-£1,220 per annum.
Special Class: £785-£1,070 per annum.
A.P.T. II: £765-£880 per annum.
A.P.T. I: £610-£765 per annum.

The Department is engaged upon an interesting and varied programme of work, including the New Town Hall, Multi-storey Flats, Redevelopment Schemes, Further Education projects, and a variety of General building works.

The appointments will be subject to the provisions of the Local Government Superannuation Acts, 1937-1953.

Application forms and full particulars may be obtained from George Kenyon, A.R.I.B.A., A.M.T.P.I., City Architect, 18, Cloth Market, Newcastle-upon-Tyne, 1. Applicants must state the Section and Grade applied for when requesting particulars

Closing date for receipt of completed applications: Saturday, 26th September, 1959.

JOHN ATKINSON,
Town Hall, *Town Clerk.*
Newcastle-upon-Tyne 1. 5511

LONDON COUNTY COUNCIL
ARCHITECT'S DEPARTMENT

Vacancy for an ARCHITECT or DESIGNER to take charge of the Furniture and Display Section of the Architect's Department. Salary up to £1,535.

The section is responsible for: Furniture design, Colour advisory work, Exhibition and Display, Industrial Design, Graphic design and lettering, for all of the Council's services.

Duties involve supervision and co-ordination of the work of the section (which comprises about 20 assistants) and liaison with architects and service departments.

Applicants should be primarily designers with a specialised knowledge of at least one of the subjects referred to above, and should possess leadership and administrative ability.

Particulars and application form, returnable by 30th September, from Hubert Bennett, F.R.I.B.A., Architect to the Council, The County Hall, London, S.E.1, quoting ref. AR/7K/76/59. (1877). 5524

LONDON COUNTY COUNCIL
ARCHITECT'S DEPARTMENT
GROUP PLANNING OFFICER
TOWN PLANNING DIVISION
£1,710-£2,020

Applications invited for position of Group Planning Officer in Charge of one of the Division's four groups. Each group comprises about 50 staff.

Outstanding planning ability, initiative, leadership and drive essential.

Application forms and particulars from Hubert Bennett, F.R.I.B.A., Architect to the Council (Ref. AR/EK/73/59). The County Hall, London, S.E.1., returnable by 10th October, (1878). 5523

Architectural Competition

30s. per inch; each additional line, 2s. 6d.

BURGH OF GRANGEMOUTH
ADVANCE ANNOUNCEMENT TO ARCHITECTS AND PLANNERS

The Burgh of Grangemouth, a steadily expanding Maritime-Industrial town on the Firth of Forth, urgently requires to expand District Shopping and Communal facilities.

At the same time, recognising the value of good design the Council has decided to hold an open design Competition for the development of a five-acre site with Shops, Community facilities, Dwellings, Parking, Garages, communications and spaces.

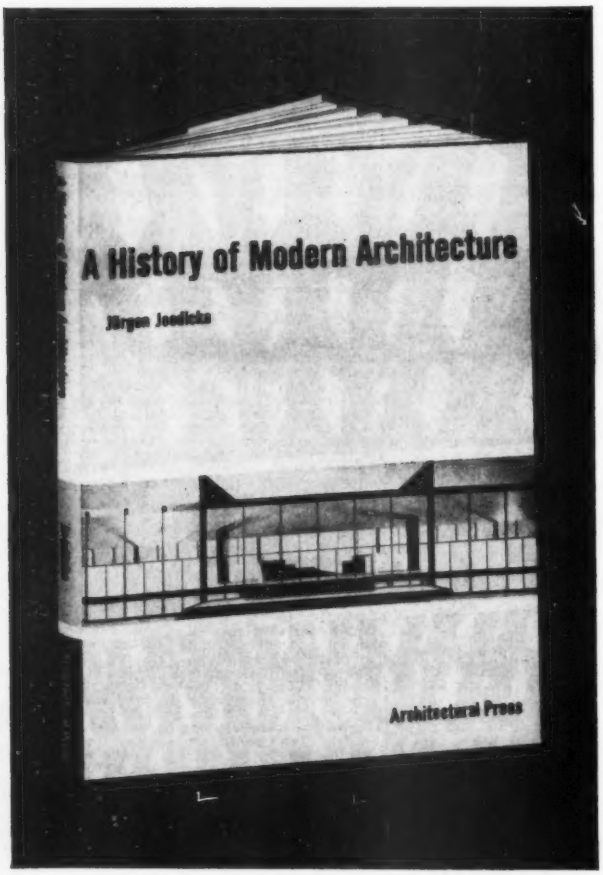
Individual Registered Architects, and teams, of which one member at least must be a Registered Architect, interested in entering for this project should apply for the Conditions before 5th November, 1959. Applications should include a cheque for £2 2s. deposit, returnable on submission of a design or return of the Conditions before the 31st December, 1959.

Target Programme. Conditions to be issued 17th-24th October. Designs to be submitted three months later.

This advance notice is made to save time in the issue of Conditions and thus the conduct of the Competition. Questions will not form a part of the Competition, and designers will be called upon for the minimum amount of work in presenting their ideas.

Assessor: George Grenfell Baines, F.R.I.B.A., M.T.P.I.

Applications to: W. Bryce Johnston, Esq., J.P., M.A., LL.B., S.Sc., Town Clerk, Burgh of Grangemouth, Municipal Chambers, Grangemouth, Stirlingshire. 5426



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BOSTIKOLOGY



BOSTIKILIENCE

means resilient security

Bostikology, the specialised knowledge of securing and sealing with 'Bostik' products, has terms of its own to describe 'Bostik' characteristics. One of them is Bostikilience, meaning maximum resilience with perfect security. This Bostikilience is an outstanding feature of:

BOSTIKOL CURTAIN WALLING SEALANTS

Based on Thiokol liquid polymers, Bostikol Curtain Walling Sealants are cured to a tough, resilient and shrinkproof synthetic rubber by the addition of a curing agent before use. Their remarkable Bostikilience enables them to withstand, in a joint, much greater expansion and contraction than ordinary mastics, without splitting or loss of adhesion. They have excellent resistance to sunlight, ozone, water penetration and erosion, smog, oils and corrosive atmospheres, are non-staining, non-corrosive and have high electrical insulation properties. 'Bostikol' can be coloured buff, black or aluminium.

A range of handling equipment is available for rapid and economical application.

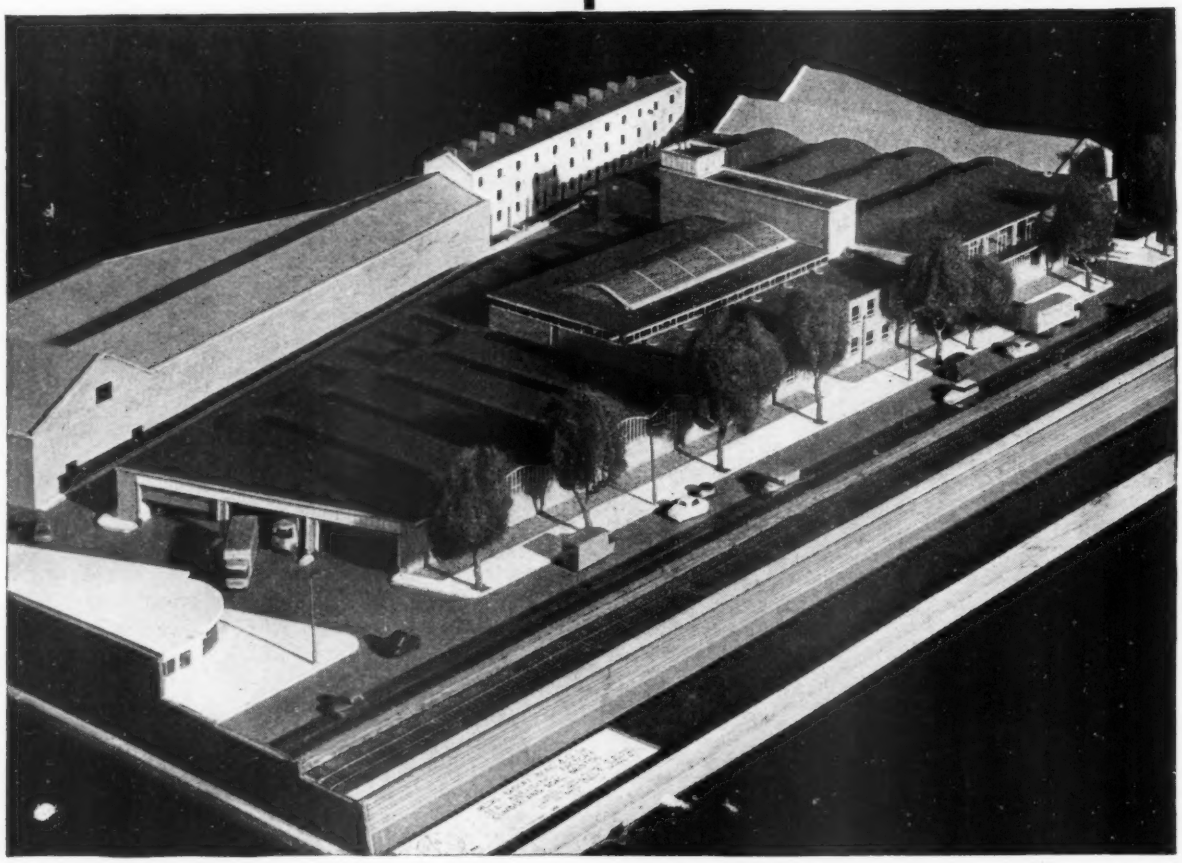
'Bostikol' Curtain Walling Sealants are being used in the construction of office blocks, power stations, hotels and factories. To find out how, and where, get in touch with the 'Bostik' Technical Service.

'Bostik' is a registered trademark of B. B. Chemical Co. Ltd., (The 'Bostik' People) Ulverscroft Road, Leicester

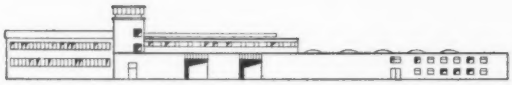
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